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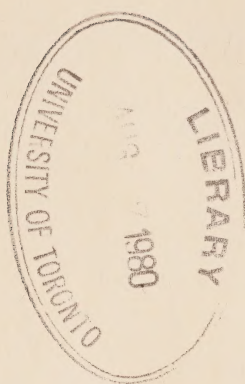
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# *Report*

*of the*

## *Minister of Public Works*

*for the*

### *Province of Ontario*

*for the*

*Twelve Months Ending March 31st, 1958*

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO

PRINTED AND PUBLISHED BY BAPTIST JOHNSTON, PRINTER TO THE  
QUEEN'S MOST EXCELLENT MAJESTY, 1958







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SESSIONAL No. 14 — 1958



ONTARIO

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THE HONOURABLE WILLIAM GRIESINGER, M.C., V.D., LL.D.  
MINISTER OF PUBLIC WORKS

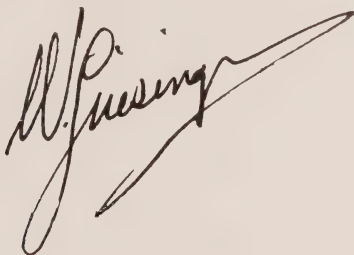
To:

THE HONOURABLE J. KEILLER MACKAY,  
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under control of the Public Works Department, comprising the reports of the Deputy Minister and Chief Architect, as well as the report of the Accountant, and the report of the Engineer as submitted to the Deputy Minister (Engineering), for the twelve months ending the 31st of March, 1958.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'W. J. P. Giesing', with a long, sweeping horizontal stroke extending to the right.

Minister of Public Works.





**REPORT**  
**OF THE**  
**DEPUTY MINISTER OF PUBLIC WORKS**  
**(ARCHITECTURE)**

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THE HONOURABLE WM. GRIESINGER, M.P.P.,  
Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

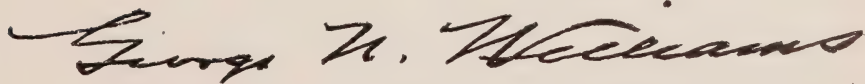
Sir:

I have the honour to submit to you the accompanying report of the Chief Architect, for the fiscal year, April 1, 1957, to March 31, 1958.

In presenting this report, I desire to take the opportunity to again extend my sincere thanks and appreciation to you for your very patient and kindly attitude when dealing with all matters pertaining to the administration of this Department, and also to thank the members of the staff of the Department of Public Works for their co-operation and assistance in carrying out our greatly expanded programme during this past year.

I have the honour to be, Sir,

Your obedient servant,

A handwritten signature in dark ink, reading "George H. Williams". The signature is written in a cursive, flowing style with a large initial "G".

Deputy Minister of Public Works (Architecture).

Toronto, March 31, 1958.

# REPORT OF THE CHIEF ARCHITECT

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To:

THE HONOURABLE WM. GRIESINGER, M.P.P.,

Minister of Public Works.

Dear Sir:

I have the honour to report on the work carried out by the Chief Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1957, to March 31st, 1958.

A considerable programme of work in respect to the construction of new buildings was again undertaken, during the fiscal year, by the Ontario Department of Public Works to meet the requirements of the various Departments of the Government services.

The extensive schedule of work already implemented for the Department of Health was still further carried forward with the erection of new Mental Hospital Buildings to increase the bed accommodation for patients. Impetus was given to the construction of many new buildings for the Attorney General's Department to provide administrative and detachment buildings for the Ontario Provincial Police. The programme of new construction for the Department of Highways has also been an extensive one.

I may also mention that a considerable amount of construction work was undertaken, and is presently under way, for the Department of Education to provide additional Teachers' Colleges and various other specialized educational institutions throughout the Province. The Department is also proceeding with a very extensive programme for the development and improvement of agricultural methods with the construction of many buildings to further this science. Additions have been made to Ontario Reformatories, and numerous projects for the Department of Lands and Forests throughout Ontario have been undertaken.

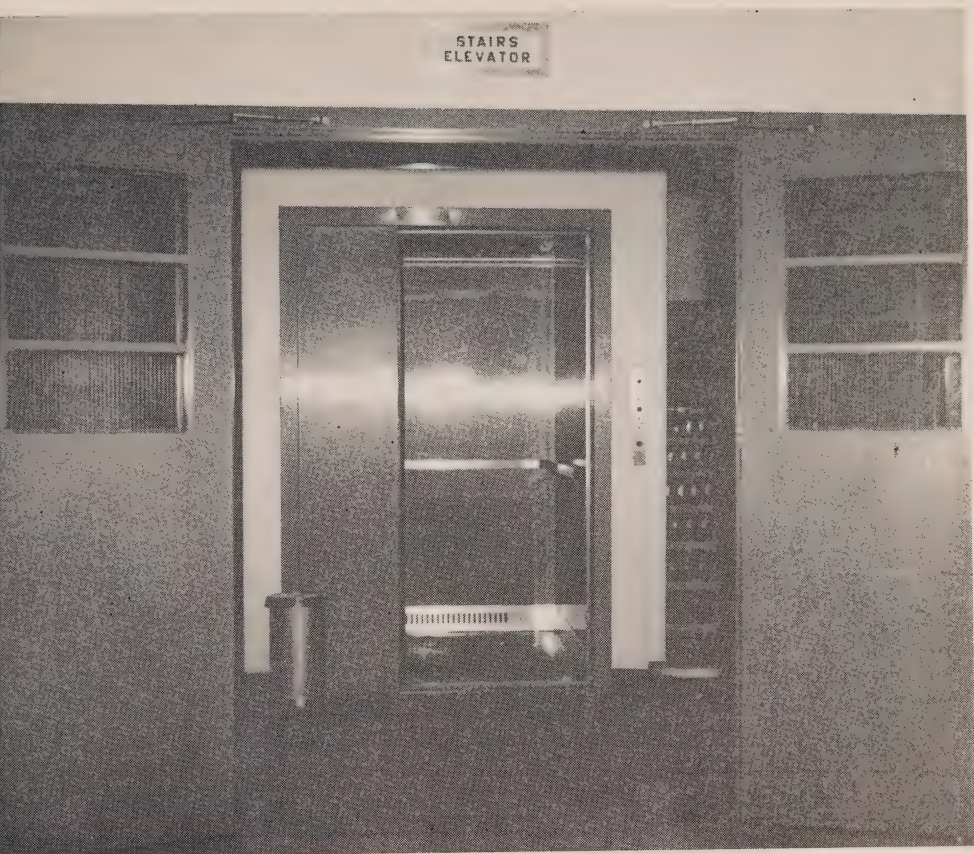
We have also proceeded with the renovation and fireproofing of many of the existing buildings, and this work is continuing, as well as a large amount of repair work necessary to maintain the public buildings in a reasonably good state of repair.

## LEGISLATIVE AND DEPARTMENTAL BUILDINGS

### Parliament Buildings, Main Building and North Wing

During the fiscal year under review a considerable programme of alterations and renovations was carried forward and brought to completion for the accommodation of the various Departments. Any renovations or structural alterations effected have been designed to comply with the Fire Marshal's recommendations and are as follows:





of the New Elevator in the North Wing Legislative Library, Main Building, Parliament Buildings  
TORONTO

The Prime Minister's suite was extended and completely renovated. Floor repairs were made and new carpets laid. New furnishings were installed in the office of the Executive Assistant. A rest room and washroom were provided.

Two new passenger elevators were installed in the North Wing, and the stairways were enclosed and fireproofed.

First floor Rooms 183 to 189 inclusive, formerly occupied by Treasury Department offices, were renovated, refurnished and equipped for occupancy by the Province of Ontario Savings Office branch, moved from the second floor.

Space vacated by the Savings Office on the second floor was renovated for use of the Executive Council.

Additional office space for the Ontario Hospital Services Commission was provided by conversion of the former apartment of the Superintendent of Buildings.



Sectional View of the New Office Quarters, Province of Ontario Savings Head Office,  
Main Building, Parliament Buildings

TORONTO

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

Fourth floor space formerly used by the Ontario Provincial Police as a dark room was converted to provide additional office space for the Civil Service Commission.

Room 259 was renovated for use of the Cabinet Ministers.

New floor coverings were laid in the No. 1 Committee Room and in the Members' Dining Room.

No. 2 Committee Room was redecorated.

Six basement rooms were renovated for use of the Election Returns Officer.

New shelving was built in the Post Office, sorting tables and cupboards were repaired, and a conveyor was installed to handle incoming mail.

A conveyor was installed in the North Wing basement for receiving and shipping school and office supplies.

Offices N416 and N417 were remodelled and new floors were laid, and redecorating and maintenance work was carried out in a considerable number of offices at other locations. The shipping area was painted and new benches were constructed.

Safety hooks were installed on all windows of the Main Building.

The ceiling over the main entrance was repaired, a new roof was installed, and a new safety rail erected around the fire escape at that location.

### East Block

As mentioned in the previous year's Report, installation of the fourth of the new passenger elevators, replacing the old elevators, was completed.

Alterations and renovation of a large section on the first floor provided offices for the Deputy Minister and staff of the newly created Department of Transport, a division of the Department of Highways.

Partition changes were made and an acoustic ceiling was installed in the offices of the Planning and Design Branch, Department of Highways, on the second floor.

Second floor offices of the Division of Personnel, Department of Lands and Forests, were renovated. Some new shelving was built in vaults.

Some partitions in the offices of the Ontario Water Resources Commission were removed, and the offices were painted and redecorated.

The former bond vault and Treasury section on the fourth floor were renovated to provide additional offices for the Department of Agriculture.

The cafeteria and kitchen on the sixth floor were redecorated, and storage shelving was built in the vault.



Alterations and painting were carried out on the seventh floor in the Tower to provide additional space for use of the Budget Office of the Department of Public Works. Ninth, tenth, eleventh and twelfth floor tower rooms were painted, and some partition alterations made.

The Tower roof drains were renewed, and the flashing was repaired.

Fixtures were removed and shelving was constructed for the Department of Mines, in basement room B307. Carpet and drapes were cleaned in the Minister's suite, Department of Mines.

The Engineer's offices in the new heating plant addition were painted.

## **7 Queen's Park Crescent**

Offices and corridors on the first floor were painted and the Forensic Clinic on the fourth floor was also painted and the lighting improved. Alterations were made to offices on the second floor, and painting was completed, for the Department of Lands and Forests. Plumbing, heating and electrical repairs were carried out.

## **11 Queen's Park Crescent**

Existing shelving was extended, and new shelving was constructed in the basement vaults for storage purposes. An air conditioning and heating unit was installed for the bond vault on the ground floor and improvements made to the heating system on the first floor. Some painting, partition work and general maintenance was carried out. Partitions were erected in Room 319 on the third floor and a platform constructed for a microfilming machine.

## **13 Queen's Park Crescent**

The Ontario Provincial Police, Law Enforcement Division of the Attorney General's Department, was moved from these premises on July 18, 1957, to the new Provincial Headquarters Building for the Ontario Provincial Police at 125 Fleet Street East, Toronto.

With the building vacant, the electrical system was converted from 25 to 60 cycle, and structural repairs, and repairs to the rear section and roof were carried out. First and second floor offices were painted.

## **15 Queen's Park Crescent**

Improvements were made to lighting and the first and second floors painted for use of the Department of Highways. The Board Room was also painted and linoleum laid over the wooden floors. A section of the roof was repaired and some plumbing and minor repairs undertaken.

## **18 Surrey Place**

Vacated by the Ontario Provincial Police Garage Section on transfer to the new Ontario Provincial Police Headquarters at 125 Fleet Street East, the ground and basement floors were converted and equipped for workshop use, and taken over by the Diesel Electric Branch of the Electrical Division, Department of Public Works.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

An office on the second floor was renovated and painted for use by the Department of Highways. Plumbing and heating repairs were carried out.

### **20 Surrey Place (Department of Highways Garage)**

Repairs to the roof, and plumbing and heating repairs, were carried out. Concrete floors were repaired.

### **21, 23, 25, 27 Surrey Place**

Renovation of Nos. 21, 23, 25 and 27 Surrey Place, as mentioned in the previous year's Report, was completed, and the four recently acquired properties were occupied by Government Departments.

At No. 21 a new steel fire escape was installed serving the three floors. The building was occupied by the Communications Branch, Department of Public Works, in June, 1957.

No. 23 was completed in July, 1957, and occupied by the Department of Education Community Programs Branch, Film, Puppetry, and Crafts Sections.

No. 27 was completed in July, 1957, and occupied by the Department of Education Music Branch, with Community Programs Branch offices on the second floor. The third floors of the three buildings are used for storage.

Renovation of No. 25 was completed in March, 1958, and the building was occupied by Department of Education branches transferred from No. 23. No. 23 was taken over by the Public Works Communications Branch, also occupying No. 21, and communicating arches were cut in the separating walls on three floors. A communicating archway was cut also between Nos. 25 and 27.

### **72-74 Wellesley Street**

Second floor offices of the Department of Health were painted and repairs of a minor nature were carried out. Salvaged linoleum was laid over old wooden floors in No. 74.

### **15-35 Bredalbane Street (Department of Highways)**

Some work was carried out at the Bredalbane Street property purchased for the erection of a new Highways Department garage, as described in the previous year's Report. The old flooring in the existing building was removed in preparation for the placing of additional steel.

### **125 Fleet Street East (Ontario Provincial Police General Headquarters Building)**

On July 18, 1957, the Ontario Provincial Police, Law Enforcement Division of the Attorney General's Department, moved into these quarters from 13 Queen's Park Crescent.



This three-storey structure, formerly the old Orange Crush building, was completely renovated to meet the expanding needs of this Department. The first and second floors were occupied in July, but occupation of the first floor was held in abeyance until such time as the occupying Department of Public Works Workshops was moved to the new Regional Equipment Building at Mimico. This occurred in January with Ontario Provincial Police forces moving in at that time. Ground floor renovations were substantially completed.

### **206 Huron Street (Department of Education)**

Construction and equipment of a basement switchboard room, with fireproof partitions, was completed. Basement ceilings were repaired.

Office partitions were erected for the Canadian Education Association on the third floor.

An overhead bridge connecting 206 Huron Street to offices of the Ontario Fire Marshal at 210 Huron Street was re-roofed, new window sash and doors were installed, and a metal fire escape landing, leading to the street, was constructed on the westerly side of the bridge.

Damage caused by a fire in the roof on March 19th, 1958, is being repaired.

### **210-216 Huron Street (Ontario Fire Marshal)**

Redecoration of offices, hallways, washrooms and classrooms was carried out and extensive repairs were made to the basement ceiling. Sorting and cutting tables were constructed for the Film Instruction Department.

### **Osgoode Hall**

Extensive renovations were completed at the Court of Queen's Bench, Court of Common Pleas and the Weekly (Chancery) Court, in addition to the installation of fluorescent lighting in the Court of Queen's Bench and the Court of Common Pleas. These renovations necessitated work on exterior masonry of the roof and side walls of the respective Courts.

Five secretaries' offices on the third floor of the northwest area of the building were equipped with air conditioning. The Justice's Chambers were redecorated and court room tape recorders were installed in No. 1 Appeal Court and the Court of Common Pleas.

Considerable reupholstering was carried out. New seat and back rest upholstery was installed in all the main court rooms and the dais chairs in the Courts of No. 1 Appeal, Queen's Bench, Common Pleas, Chancery Court, as well as the Senior Master's Court and the Mechanics' Lien Court, were also reupholstered.

New chambers were prepared for one of the Senior Justices, recently appointed, and redecoration of the Justice's Chambers, hallways and offices was carried forward.

Pointing and masonry repairs to the Main Building and metal cornice and extensive roof repairs to the north-west section of the building,

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

were carried out, with a new metal roof constructed on the Conference Room of the Chancery Court. Work progresses on resetting mosaic tile in the main rotunda and hallway, and external masonry repairs are under way.

New cabinets to store tape recording machines were constructed and installed in the Judges' main library. Worn stone steps at the front entrance are being replaced.

### **Queen and York Streets (Ontario Government Office Building)**

Installation of an air conditioning system in the Court Room of the Department of Municipal Affairs was completed and partitions were erected to isolate the office from the court room section.

Lunch and rest rooms for the staff of the Securities Commissioner on the fourth floor were completed, furnished and occupied. The stairway of the rear fire escape was painted.

### **160-168 Richmond Street West (Department of Lands and Forests)**

Two semi-detached houses immediately west of the former Bridgen Building now occupied by the Department of Lands and Forests, were purchased to provide additional accommodation for that Department. The houses, Nos. 166 and 168 Richmond Street West, were completely remodelled to provide offices and general stores space, and were occupied by Lands and Forests staff transferred from leased premises at 863 Bay Street in January, 1958.

<b>70 Lombard Street</b>	{	<b>Registrar General</b>
<b>77 Richmond Street East</b>		

Safety barriers were erected around the hydraulic elevator.

### **307 Richmond Street West (Department of Health)**

The northwest laboratory was repaired and redecorated, and sound-proof folding doors erected between the basement main office and the laboratory. Cupboards and shelving were also constructed and installed in this laboratory.

### **8 York Street (Department of Labour)**

Plate glass draught deflectors were installed on all east windows of the third floor. Concrete repairs of a major nature are being carried out to prevent surface water penetration of basement walls and garage floor.

### **291-295 Sherbourne Street (Ontario Provincial Police Training School)**

A new roof was installed over the boiler house workshop, repairs were made to the fire escape and new steps constructed at the porch entrance of the School Headquarters. The north boundary fence and rear entrance gateways were repaired. Major masonry repairs were made to



Frontal View of the Newly Purchased Office Building at 434 University Avenue  
TORONTO

old chimneys on all the buildings and repairs and replacement of concrete sidewalks were proceeded with.

Preparatory to the installation of the three new steel fire escapes to replace the existing wooden ones, masonry repairs were carried out. Other fireproofing work within the building was proceeded with.

**1075 Millwood Road (Ontario Film Censorship Board)**

The grounds were landscaped.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

### **434 University Avenue (Department of Reform Institutions)**

A five-storey building at 434 University Avenue was purchased, completely renovated, and occupied by the Department of Reform Institutions, and offices of other Departments. The building is 62 feet by 127 feet, of reinforced concrete column and slab construction, with 13-inch brickwork and furring tile.

The first, second and third floors accommodate the offices of the Department of Reform Institutions, moved from leased premises at 984 Bay Street in December, 1957. Treasury Department offices and the Department of Public Works occupy the fourth floor, and Department of Planning and Development Civil Defence Branch the fifth floor, which was occupied in October, 1957.

### **454 University Avenue (Department of Planning and Development)**

Office space on the third floor was increased by sectional partitions. A new telephone switch room was fitted up with equipment installed on the first floor. Basement space was equipped to provide a printing room and an air conditioning unit was installed to void the ammonia fumes above the fourth floor level.

## **LEASED PREMISES**

### **1118 Bay Street (Department of Municipal Affairs)**

Office space was renovated and partitions were erected for the Assessment Branch of the Department of Municipal Affairs.

### **1207 Bay Street (Department of Agriculture Home Economics Branch)**

The kitchen was dismantled and the space renovated and converted to office use. An adjoining office was redecorated.

### **20 Spadina Road (Department of Agriculture)**

The Home Economics Branch, Department of Agriculture, moved from 1207 Bay Street to occupy offices on the fourth floor. Renovations undertaken included extensive shelving for library storage and storage space.

### **Kingston — 42 Princess Street**

Space formerly occupied by the Liquor Control Board store at 42 Princess Street, Kingston, was renovated to provide offices for the Department of Highways. The work was completed and the new offices occupied in January, 1958.

### **Ottawa — 260 St. Patrick Street**

Premises at 260 St. Patrick Street, Ottawa, were leased to provide offices for the Departments of Labour and Welfare. Fluorescent lighting, new counters, and linoleum floor covering were installed, and the new offices occupied in January, 1958.

## **Port Arthur**

Port Arthur offices for the Department of Municipal Affairs were provided with the leasing of space in the Phoenix Building. Wood and glass partitions were erected to divide a large room into three offices. Fluorescent lighting fixtures were installed, and a sign was painted on the entrance door. The offices were occupied in October, 1957.

## **ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS**

### **Lindsay**

Construction work on a new Ontario Government Branch Office Building, with connected Ontario Provincial Police Detachment Building, commenced in February, 1958. The main office building will be in the shape of an "E," approximately 250 feet long and 180 feet at the widest portion. The Ontario Provincial Police Detachment Building, included in the project, will have a connecting link to the main office building.

The office building, with the exception of the three rear wings, rises two storeys above grade, with a basement under the main section. The Department of Public Works will occupy the first floor, which also includes a lunch room with snack bar, and a general conference hall to accommodate sixty people. Elevator service will be provided to the second floor, where offices for the Department of Education, Health and Welfare will be located.

The "L" shaped Police Detachment Building will provide offices, radio room, cell blocks, dining room and an eight-car garage.

Demolition of existing barns and sheds, a general clean-up of the site, and the work of surveying, and staking out the batter boards was completed. Concrete wall footings were poured in the basement section and work is proceeding on foundation walls.

### **Matheson**

Repairs were made to the heating system.

### **Red Lake**

Reframing and replacement of the entire roofing, insulation and flashing of the building, including the cell block, was completed. The exterior of the building was painted and the redecoration of the interior proceeded with. Drilling for a new water supply was undertaken, but was temporarily suspended at the 200-foot level. The old stores building is being demolished to provide space for a two-car garage.

## **DEPARTMENT OF PUBLIC WORKS REGIONAL BUILDINGS**

### **Huntsville (D.P.W. Yard, Stores and Office)**

Considerable fabrication work was completed for various Regional Department of the Government Services. This comprised cupboards, stairs and trim for the Department of Lands and Forests; sash and garage



showing Construction Work under way at the New Ontario Government Branch Office Building  
LINDSAY

doors, window and door frames, benches and hearing room furniture for the Ontario Provincial Police Detachment buildings, and storm sash for a number of Ontario Provincial Police housing units.

Extension work for the office and storage shed progressed to completion, and a house was purchased and moved from the property to make way for the garage extension, construction of which is well advanced.

#### London (D.P.W. Office and Stores)

The two new Public Works Regional office and stores buildings in the Ontario Hospital grounds, mentioned in the previous year's Report were equipped and furnished, and occupied by Department of Public Works staff transferred from the Ontario Government Branch Office Building, 353 Richmond Street, on November 11th, 1957. The outside storage compound was graded, surfaced with crushed stone, and enclosed with a chain link fence.

#### Mimico (Regional Offices, Stores and Workshops)

Described in the previous year's Report, construction of the Regional office, stores and workshop buildings, and power house for Zones 1 and 2 of the Department of Public Works, was completed, and the buildings were equipped and occupied. They include: "A" Building, the implement building with office section; "B" Building housing mechanical shops and stores, and repair shops for boilers, laundry and other equip-





Interior View of the Office Section of the New Office and Stores Building,  
completed for the Department of Public Works

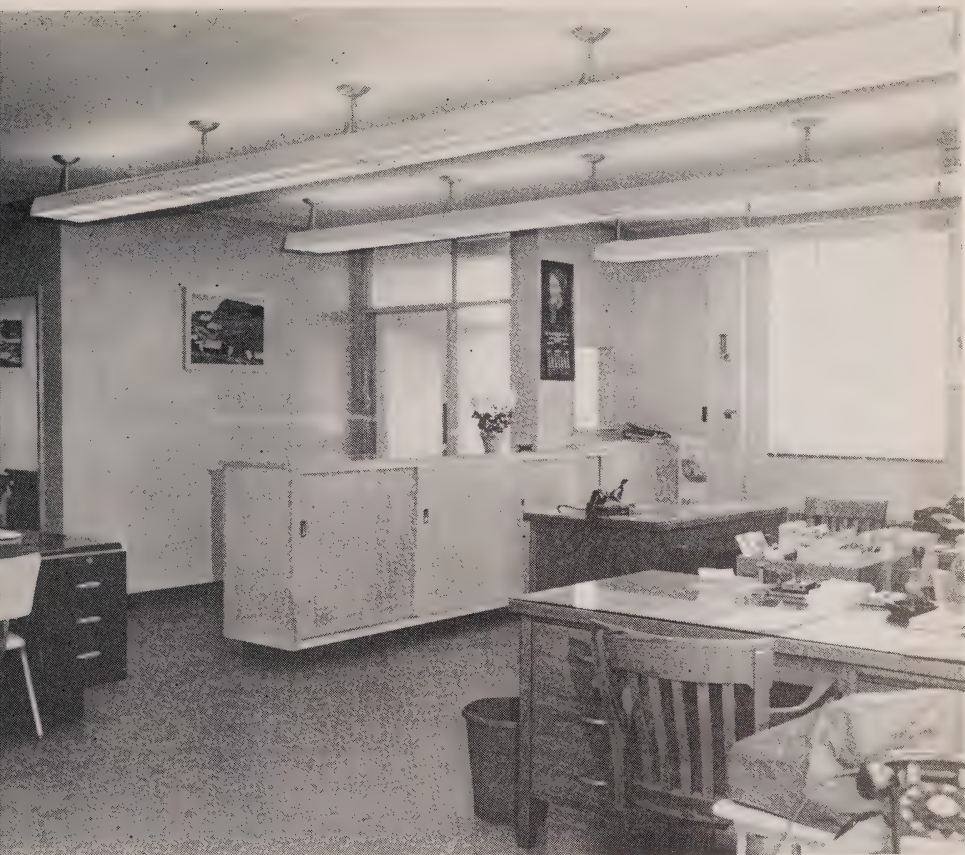
LONDON

ment; and "C" Building containing the Regional offices for Zones 1 and 2, carpenter, tinsmith and paint shops, and general stores.

Excavation commenced in December, 1957, for the erection of a fourth building to house general stores, designated "D" Building. "D" Building is approximately 102 feet by 242 feet, with an office section at the front approximately 46 feet by 56 feet, and consists of basement and ground floor, with access drive ramps into the basement for vehicles to unload. Construction is similar to that of the other three buildings of the group, and is well under way.

#### North Bay (D.P.W. Stores and Workshop)

A loading platform was built at the side entrance of the warehouse. Hayestroughing was installed, and the exterior basement entrance repaired.



Sectional View of the Office at the New Regional Office and Stores Building,  
Department of Public Works

ORILLIA

#### **Orillia (D.P.W. Warehouse and Office)**

Construction was completed in January of this year of the new Warehouse and Office Building for the Department of Public Works, on a site north of the Children's Dormitory on the Ontario Hospital grounds. The new premises were occupied in January, 1958, with the staff transferring workshops from the Hospital basement to the new offices.

#### **Port Arthur (D.P.W. Warehouse and Garage)**

A 25-foot by 60-foot extension to the warehouse section, mentioned in the previous year's Report, was completed.

#### **Sault Ste. Marie (D.P.W. Office and Warehouse)**

A heating system was installed in the office and warehouse building, making use of a boiler transferred from the Ontario Agricultural College, Guelph. The electrical services of the building were renovated.

# For The

## DEPARTMENT OF AGRICULTURE

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### Cayuga — Rural Youth Training Centre

The old water tank was dismantled, and a used water tank, secured from North Bay, was erected and re-roofed. Painting of the "H" huts is being carried out and construction of a pump house to house a new deep well pump was completed.

### Ontario Agricultural College, Guelph

#### Gymnasium and Physical Education Building

Considerable progress was made with the construction of this two-storey with partial basement building, a description of which was given in the previous year's Report. The building is completely enclosed with erection of masonry and glass block nearing completion and excellent progress made on the work of the mechanical trades.

#### Laundry

The new laundry building, described in the previous year's Report, was completed, equipped, and put into operation in October, 1957.

#### Paint Shop

The new paint shop was completed and occupied by the painting staff and the blacksmith in September, 1957.

#### Poultry Service Building

Extensive alterations to improve the killing and eviscerating facilities were completed. A new heating system was installed.

#### Power Plant (Addition)

An extension to the existing power plant, 30 feet by 30 feet, was constructed to meet the heating requirements of new construction. Similar in construction to the existing building, the project included the installation of new ash handling equipment, removal of the adjoining masonry wall and rearrangement of plant equipment.

#### Science Buildings Group

Excellent progress was made on the construction of the Soils Building, the first of three new science buildings to be built, during the past fiscal year. Erection of exterior walls, stone work, and interior partitions, was completed in September, 1957, and interior work is well in hand with carpenters installing interior trim, window sills, blackboards and panelling. Plastering is well advanced and terrazzo and tile work is nearing completion. Interior painting progresses throughout the building, steam lines are completed, and two circulating pumps, two condensate





A View of the Recently Erected Water Tank, Rural Youth Training Centre  
CAYUGA



Exterior View showing Construction Progress of the New Gymnasium and  
Physical Education Building, Ontario Agricultural College  
GUELPH



A View of Advanced Construction Progress of the New Soils Building, Science Buildings Group,  
Ontario Agricultural College  
GUELPH



View showing Advanced Construction of the New Header House, and showing part of the Greenhouse, for the New Soils Building of the Science Buildings Group, Ontario Agricultural College

GUELPH

pumps and three unit heaters were placed in operation. The distilled water system was also completed and work is under way on a chilled water system.

#### **Vehicle Storage and Service Building**

Construction of the new vehicle storage and service building, described in the previous year's Report, showed progress. The exterior masonry was completed for one of the two single storey wings, and is continuing on the central section and the other wing. Structural steel erection is completed.

#### **Switch Gear Building**

In February, 1958, excavation was completed and forms were built for footings for a new switch gear building at the Physical Education Building. The new building, 42 feet by 22 feet, will be of masonry construction with partial basement.

#### **General**

A frame field house, 36 feet by 104 feet, was constructed for the use of the Physical Education Department. The building was insulated, and plumbing, heating and sanitary services were installed.





Exterior View of the New Science Buildings Group No. 1, showing the Soils Building, Header House and Two Greenhouses, Ontario Agricultural College

GUELPH

A new playing field was graded. A tile drainage system was put in and concrete curbs constructed. The surrounding area was sodded.

An irrigation system was constructed for Puslinch Field, an experimental seed grain plot.

Wells were drilled at the Kay Farm, the Arkell Farm, and the College site to provide water supply.

A number of farm buildings, including two barns, were painted.

The washrooms at Mills Hall were completely renovated.

Maintenance work carried out at MacDonald Institute included repointing of terra cotta and masonry, and painting.

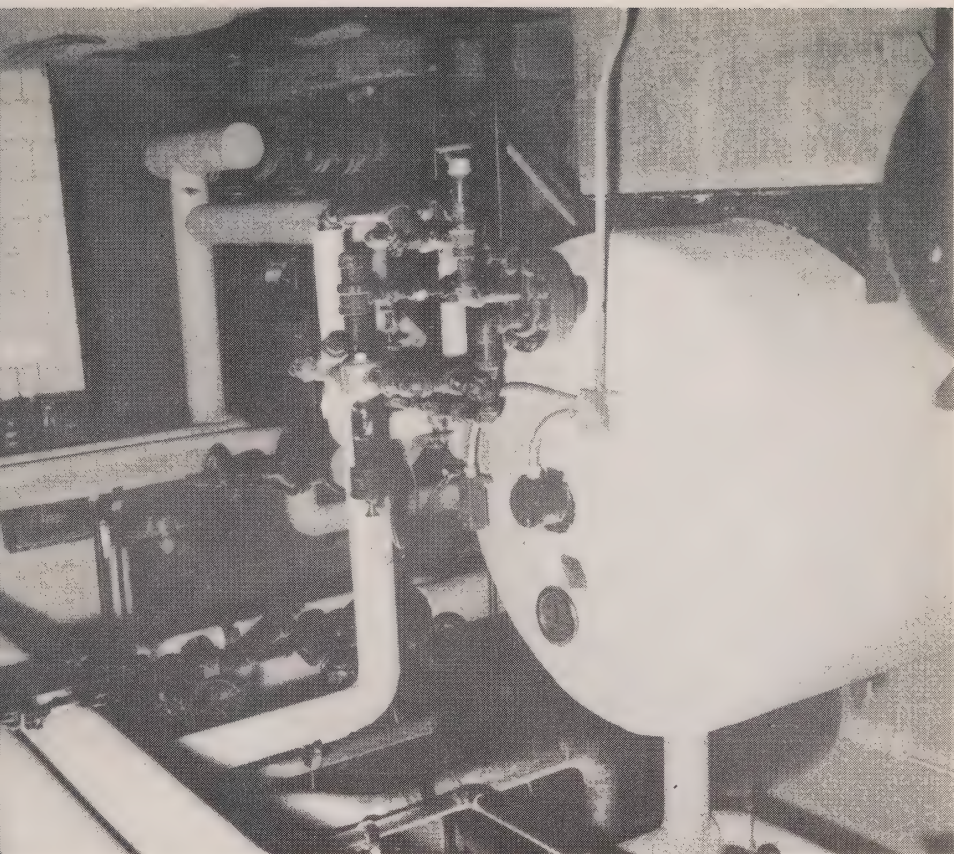
Sections of the exterior wall of the abattoir were rebuilt, and a new ceiling was installed in the cold room.

Extension of the underground duct system to carry Hydro and telephone lines continued.

Heating and return steam mains from the power house to the new Soils Building, and the Medical Research Building, were completed.

New water lines were laid to the paddocks of the Swine Research Laboratory of the Animal Husbandry Department, at the Arkell Farm.

A four-inch cast iron water main was laid from the well at the Dairy Building to the new reservoir site.



al View of the Mechanical Room in the New Soils Building, Science Buildings Group No. 1,  
Ontario Agricultural College

GUELPH

## **Ontario Veterinary College**

### **Disease Free Animal Holding Unit**

Construction of this one-storey barn structure commenced early in 1958. The building, of concrete block exterior and smooth tile interior, has the exterior walls and roof completed, window frames and sash installed, and roughing in of plumbing and electrical work is in progress. When completed it will have eleven animal pens, laboratory space and boiler room in approximately 4,000 square feet of floor space.

### **Medical Surgical Building**

Construction of the new Medical Surgical Building, described in the previous year's Report, is nearing completion. Installation of services, fixtures and equipment is under way. Completion date is scheduled for April 15, 1958.





Interior View showing the Animal Pens of the Disease Free Animal Holding Unit,  
Ontario Veterinary College

GUELPH

#### Mink House

Construction work commenced early in the year and was completed in June, 1957, on the erection of a new Mink House. The new building is of concrete block with a pitch roof of galvanized sheets, concrete floors, complete with light and water services. Dimensions are 24 feet by 70 feet.

#### Radio Chemical Laboratory

A new Radio Chemical Laboratory and Office Building, construction of which commenced in April, 1957, was completed, equipped and occupied by the staff and faculty in February, 1958. The new building, which adjoins the Animal Breeding and Holding Unit, is of concrete block construction and contains an office, laboratories and furnace rooms.

#### Switch Gear Building

A new switch gear building, approximately 72 feet by 32 feet, with a 10-foot headroom basement, is under construction at the Medical Research Building. Excavation for the building, which will be of masonry construction, commenced in February, 1958. Reinforcing steel was set and the walls poured in March.





View showing the New Medical Surgical Building on the Right, Ontario Veterinary College  
GUELPH



View showing the New Mink House, Ontario Veterinary College  
GUELPH



Interior View of the New Radio Chemical Laboratory at the Ontario Veterinary College  
GUELPH

#### General

The asphalt floor in the Anatomy Laboratory was replaced with terrazzo.

A new sanitary and storm sewer system for the Ontario Veterinary College was completed and connected to the City of Guelph system.

Considerable expansion of the waterworks system included the laying of approximately 900 feet of 6-inch main.

The progressive fireproofing programme for all buildings of the Ontario Agricultural College and Ontario Veterinary College instituted some years ago, was carried on and is approximately 95% completed.

#### Kemptville Agricultural College

##### New Poultry Service Building

The site was prepared and excavation commenced in April, 1957, for the construction of a new Poultry Service Building. The building will be two storeys in height with full basement, approximately 84 feet by 54 feet, and of brick construction. By the end of the fiscal year all masonry, terrazzo work and plastering were completed on the second-floor lecture room, laboratory and one washroom, and plumbers were setting fixtures.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

### Regional Veterinary Laboratory

Work has commenced on construction of a new Regional Veterinary Laboratory in the grounds of the School, to serve the eastern part of the Province. Similar in layout and construction to the new poultry building, it will be of two storeys and basement, approximately 86 feet by 52 feet, and of brick, structural tile and concrete construction. It is sited between the existing Government Building and the Engineering Building. The basement provides space for an animal and feed room for small animals, a large laboratory, and a second laboratory for post-graduate experimental and copper survey, and the boiler room.

On the first floor is a large instructors' laboratory, post-mortem room for large animals, a post-mortem room for poultry pathology, three offices and a glass wash room. The second floor has a large meeting and lecture room, a library, pathology laboratory, brucella laboratory, and office.

### General

The heifer barn was reroofed with aluminum.

An old wooden silo was dismantled, and a new silo, 14 feet by 40 feet, constructed.

A new gas-fired incinerator was installed.

Floors, walls and ceilings in the dairy building were repaired, refinished and painted.

### New Liskeard — Demonstration Farm

A new water system for domestic and fire protection purposes was completed.

Repairs were made to the water line.

An electric heater and thermostat were installed on the hot water tank in the residence.

### Ridgetown — Western Ontario Agricultural School and Experimental Farm

#### New Greenhouse

Preparation of the site for the erection of a new greenhouse unit was started in April, 1957, and construction progressed during the fiscal year to the point of completion in February, 1958. The new structure is approximately 100 feet by 32 feet and is connected to the existing greenhouse by an 8-foot passage. The building was erected to provide accommodation for larger classes.

#### Poultry Building

Construction work on the erection of a new Turkey Brooding House was started in February, 1958. Rafters are up ready for the roof, and siding and partitions are in course of erection.

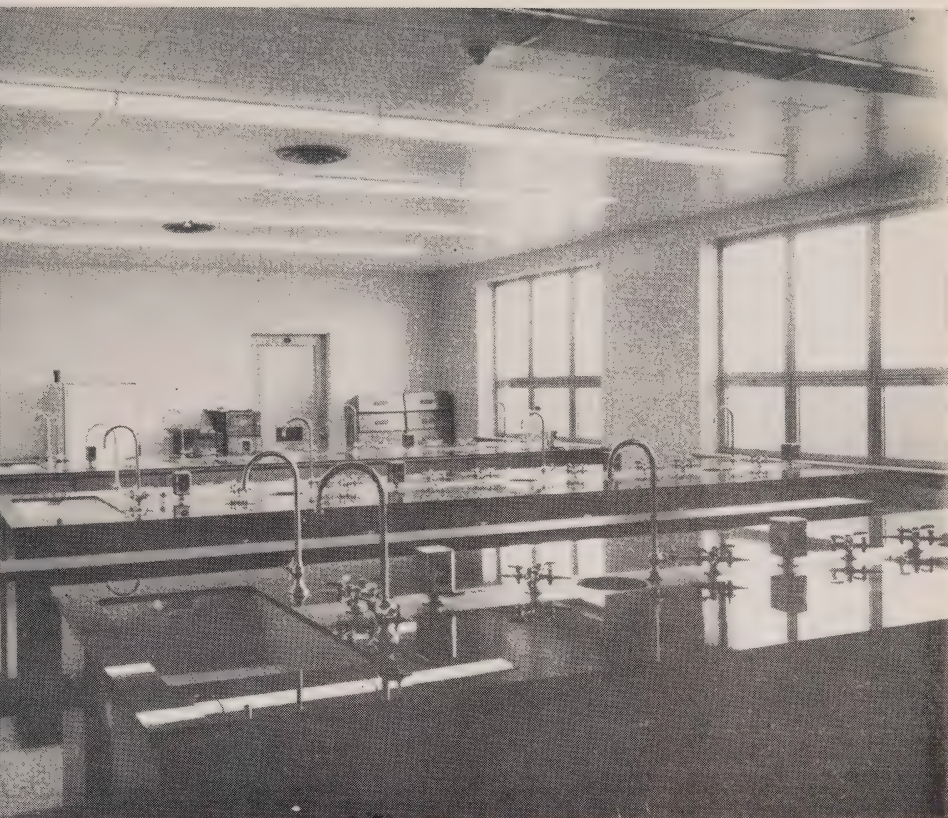




The New Administration and Laboratory Building, Horticultural Experiment Station  
VINELAND



Interior Sectional View of the Office at the New Administration and Laboratory Building  
Horticultural Experiment Station  
VINELAND



Sectional View of the Laboratory in the New Administration and Laboratory Building,  
Horticultural Experiment Station

VINELAND

### **Seed Storage Building**

Renovations to the Seed Storage Building, which was partially destroyed by fire, undertaken in August, 1957, were completed.

### **General**

An office partition in the Director's residence was removed to enlarge the kitchen, which was remodelled and re-equipped.

Rewiring and relighting of the frame farm buildings is nearing completion.

Construction of a new incinerator was completed.

### **Sault Ste. Marie — Strathclair Farm**

A new foundation was constructed for an implement shed and workshop building, and the building was removed from its old deteriorated foundation to the new base. Extensive repairs were made to the roof and walls and provision made for laying a new concrete floor in the Spring of 1958.

## **Vineland — Horticultural Experiment Station**

### **Administration and Laboratory Building**

Corner Stone Ceremonies took place on Tuesday, July 30th, 1957, when the Hon. William A. Goodfellow, Minister of Agriculture, assisted by the Hon. William Griesinger, Minister of Public Works, officiated at the laying of the corner stone for this building.

All construction work was completed in January, 1958, and the Horticultural staff was located in the new Administration and Laboratory Building in February, 1958.

### **General**

Renovation of the old Administration Building is in progress, with levelling and renewing of various partitions, and the complete demolition and renewal of heating and electrical services.

Four new steel window frames were installed and an office, washroom and shower were placed in the boiler room for the use of the engineers.



**For The**  
**DEPARTMENT OF THE ATTORNEY GENERAL**

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**ONTARIO PROVINCIAL POLICE BUILDINGS**

**Armstrong**

An oil space heater with a 200-gallon storage tank was installed in the garage.

**Bancroft**

Two bungalow type housing units, mentioned in the previous year's Report, were constructed for Ontario Provincial Police personnel. A water well was drilled and a pumping system, and septic tank and sanitary system to serve the two houses was installed.

**Barrie**

The new District Headquarters building, construction of which commenced in March, 1957, is rapidly nearing completion. The garage section was completed in September and work on the main building is confined to the work of the mechanical trades and plastering, with tile and terrazzo work nearing completion. Installation of acoustic ceilings and finish carpentry is proceeding.

Sodding of lawns and landscaping, and paving of driveways for the nine residences built on Newton Street for Ontario Provincial Police personnel, was completed. Three of the houses are situated on the north side and six on the south side of the street. The roadway from Rose Street to the new Headquarters building was graded for base and asphalt.

**Beardmore**

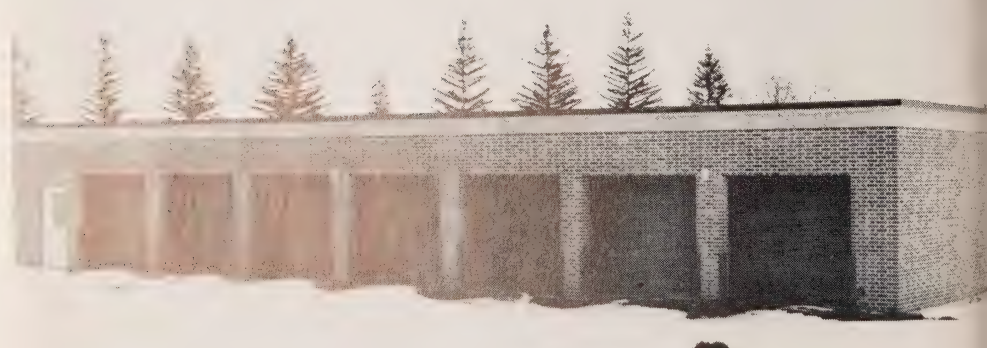
The courtroom, cell block and office in the detachment building were painted.

Well drilling operations undertaken in the fall of 1957 were suspended until Spring.



Exterior View showing Advanced Construction Progress of the New District Headquarters Building for the Ontario Provincial Police

BARRIE



View of the New Garage Completed for the Ontario Provincial Police District Headquarters Building

BARRIE



View of the Completed Bungalow and Garage for the Ontario Provincial Police,  
67 Humewood Drive  
BELLEVILLE

## Belleville

Construction work on three standard plan three-bedroom bungalows for the Ontario Provincial Police staff, mentioned in the previous year's Report, continued to completion and in June, 1957, all three housing units were occupied.

A brick garage for the Inspector's house on Bridge Street East was completed.

## Blind River

A Transmitter Station for radio communications for the Ontario Provincial Police was completed in October, together with the erection of a 300-foot radio mast.

Installation of sewer and water mains to serve the detachment building and three Ontario Provincial Police houses was completed and connected with the main sewer of the Blind River town system.





Exterior View showing Advanced Construction Progress of the New Ontario Provincial Police Detachment Building

BRACEBRIDGE

### **Bracebridge**

Construction started in April, 1957, on a new standard plan detachment building, similar to that recently completed at Essex, and is nearing completion.

Interior repairs and redecorating, and exterior painting, were carried out at the old detachment building, in the living quarters and office areas.

### **Bradford**

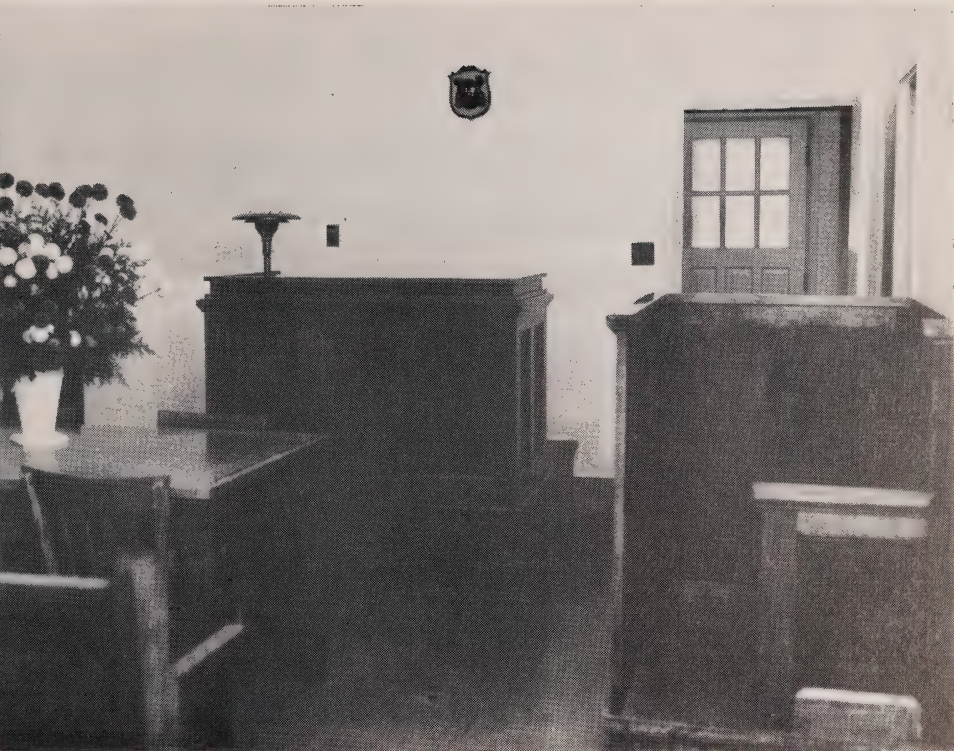
Construction work on six new housing units, with attached garages, started in October, 1957, was approximately 60% completed in March, 1958.

### **Burks Falls**

Two new housing units were under construction for the Ontario Provincial Police. Work on the first unit is substantially completed and the house is occupied, and the second is nearing completion.

### **Cayuga**

Work commenced in July, 1957, on the construction of six housing units of standard types for the Ontario Provincial Police. The new houses are located on Echo, Chippawa, Munsee and Tuscarora Streets, and two on Brant Street. Four of the six houses are completed and occupied.



Interior View of the Magistrates' Court Room of the New Ontario Provincial Police Detachment Building

CHAPLEAU

## Central Patricia

A new water supply pump was installed for the detachment building, and plumbing repairs were carried out.

## Chapleau

The new detachment building, mentioned in the previous year's Report, was completed, and was officially opened before a large gathering of citizens on November 20th, 1957, by Hon. Kelso Roberts, Attorney General, assisted by Mr. Rheal Belisle, Member for Nickel Belt, and Hon. William Griesinger, Minister of Public Works.

Water and sanitary services and a fire alarm system were installed, and the grounds were landscaped.

## Chatham

Construction work on six houses for Ontario Provincial Police personnel is under way. Good progress was made on erection of framework, exterior walls and installation of electrical services.

## **Cochrane**

Two single garages were constructed, and a sewer line was relaid from one police residence to the main.

## **Dryden**

A site was obtained for the construction of a new detachment building. Concrete walks were laid for the two Ontario Provincial Police houses.

## **Ear Falls**

Construction was started in May, 1957, on a standard plan detachment building, with living quarters, office and cells, and a one-car garage. The building was closed in for continuation of work through the winter months, and masonry is substantially completed, with interior work well advanced.

## **Elk Lake**

The exterior and interior of the detachment building were painted. Septic tank lines were repaired.

## **Emo**

A site was surveyed for the erection of a detachment building, with three-car garage. A well was drilled on the property and an adequate water supply obtained.

## **Englehart**

A one-car garage was constructed.

## **Fort Frances**

General repairs were made to the detachment building, and the interior and exterior were painted. An oil burner was installed.

## **Gore Bay**

Steel work was installed in the cells of the new detachment building. The grounds were landscaped and curbs and driveways completed.

## **Haileybury**

Six single garages were constructed for the six Ontario Provincial Police houses.

## **Hearst**

Construction of two single garages was completed and the exterior of the recently constructed Ontario Provincial Police residence was painted and the property landscaped and fenced.

The heating plant at the detachment building was converted from a one-pipe to a two-pipe steam line.



REPORT OF THE DEPARTMENT OF PUBLIC WORKS  
Fiscal Year Ending March 31st, 1958

## **Hudson**

A new deep well was drilled and equipped with pumping unit. The Ontario Provincial Police property was fenced.

## **Ignace**

The sewer line to the detachment building was repaired and protected against frost.

## **Kemptville**

Construction of two standard plan, three-bedroom bungalows for the Ontario Provincial Police personnel was commenced in December, 1957, and is well advanced.

## **Kenora**

Construction of three standard plan residences was completed, and erection of three additional residences is nearing completion. Heating systems were installed in all six buildings. A standard plan, four-bay brick veneer garage was also built.

A new boathouse is contemplated and test hole borings through the ice, to determine data necessary for the foundation of the building, was completed in February.

## **Killaloe**

Two brick veneer bungalows, with attached garages, were completed and ready for occupancy.

## **Kingston**

Work commenced in November, 1957, on four new housing units for the Ontario Provincial Police personnel. The buildings are pre-fabricated, standard plan, three-bedroom bungalows, with a garage for each. Work is nearing completion on all four. Two buildings are located on Johnson Street, and two buildings on Portsmouth Road.

## **Kirkland Lake**

A site for the proposed new detachment building was approved for purchase. A well was drilled and an adequate water supply obtained.

## **London**

A water main extension was laid from Centre Street to the detachment building, to augment the inadequate well supply.



View of one of the Two New Housing Units, with Attached Garage,  
for Ontario Provincial Police Personnel

KILLALOE

### **Matheson**

A one-car garage for the residence was completed in August, 1957. Minor repairs to the heating system were completed, and the kitchen was enlarged and painted throughout and alterations made to the electrical system.

### **Mattawa**

A one-car garage for the Ontario Provincial Police residence was completed at this site.

### **Minaki**

Emergency repairs were made to the septic tank disposal system at this residence with office detachment building.

### **Minden**

Two residences were completed and occupied.

### **Moosonee**

Construction work on the new detachment building with two-car garage, as mentioned in the previous year's Report, was completed.

### **Mount Forest**

Construction of three houses for the Ontario Provincial Police personnel was completed. A partially built residence was also purchased and completed for occupancy.



View of the New Ontario Provincial Police Detachment Building  
MOOSONEE

### **Nakina**

An oil space heater complete with a 200-gallon storage tank was installed in the two-car garage.

### **Niagara Falls — District Headquarters**

A District Headquarters building and a garage were constructed for the Ontario Provincial Police at Niagara Falls. The plan of the main Administration Building is similar to that of the District Headquarters building recently completed at Port Arthur, and described in the previous year's Report. The garage building, located to the rear of the main building, provides space for 14 parked cars, four repair stalls, wash rack, hoist, storage space, and facilities for employees.

Exteriors and interiors of the seven Ontario Provincial Police residences were painted. Oil-fired furnaces were installed in the seven residences.

### **Nipigon**

Grounds around the detachment building, separate residence, and garage were landscaped, and curbs and driveways were completed.





View showing Advanced Construction Progress of the New Ontario Provincial Police District Headquarters Building and Garage

NIAGARA FALLS

### **North Bay — District Headquarters**

Seven new residences for Ontario Provincial Police personnel were under construction during the fiscal year, all located in a new subdivision. The first two, mentioned in the previous year's Report, were completed in June and July, and two more in December, 1957. The last three, started in October, 1957, are approximately 80% completed. All were standard type, three-bedroom plans.

### **Orangeville**

Four residences for Ontario Provincial Police personnel were constructed at 44, 45, 46 and 47 Anne Street, and are occupied.

### **Pembroke**

Construction was started in June on four new houses for Ontario Provincial Police personnel, including a two-storey house at the corner of Elizabeth and Chamberland Streets, and cottages on Elizabeth, Bell and Cecil Streets. All are enclosed and interior work is well advanced.

### **Perth — District Headquarters**

Renovations were undertaken at this District Headquarters building. Four new doors were installed and the garage roof repaired. Interior plaster was repaired and the area painted. The exterior of the office building was painted.



View of the Newly Constructed Two-Car Frame Garage for the Ontario Provincial Police  
 PICTON

## Picton

A two-car frame garage was constructed for the Ontario Provincial Police detachment.

## Port Arthur — District Headquarters

Chosen as the site for the first of five new standard plan District Headquarters buildings contemplated for the expansion of Ontario Provincial Police services, construction work at Port Arthur commenced in July, 1956, and was brought to completion and turned over to the Ontario Provincial Police for use on October 21, 1957. Following installation of equipment and furniture the new building was occupied by the Department on March 1, 1958.

Canopies were erected at the front entrances of all four residences, and work is proceeding on canopies for the rear entrances.





View showing the Westerly Side of the New District Headquarters Building  
for the Ontario Provincial Police

PORT ARTHUR



Easterly View showing Advanced Construction Progress of the New Detachment Building  
for the Ontario Provincial Police

PORT CREDIT



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

### **Port Credit**

A detachment building, similar in plan to that located at Essex and described in the previous year's Report, was completed at Port Credit, and occupied in December, 1957. The old building which it replaced was demolished.

### **St. Catharines**

Six new standard type residences were brought to substantial completion by the end of this fiscal year.

### **St. Thomas**

In implementation of renovations at this Detachment Headquarters alterations to provide a new cell, and a photographer's booth, were completed.

### **Sault Ste. Marie**

Three residences located on a property purchased for a parking area for the Registry Office were renovated to provide housing for Ontario Provincial Police personnel. Two other residences on the property were demolished.

### **Shabakwa**

Excavation commenced in March, 1958, for the erection of a standard plan detachment building with living quarters, office, and cells, and one-car garage. Drilling operations were carried out, and produced an adequate water supply.

### **Sharbot Lake**

A new septic tank and tile bed were installed for the Ontario Provincial Police residence, and a single garage was erected.

### **Simcoe**

Repairs were made to the detachment garage; roof and chimney repairs to the detachment building were completed, and windows of the residences were fitted with storm sash. Installation of 6-inch and 10-inch storm drains with two catch basins was completed and the exterior of the detachment building painted.

### **Sioux Lookout**

Two single-car garages were erected for the Ontario Provincial Police.

### **Sioux Narrows**

Construction of a new detachment building, as described in the previous year's Report, was completed. The building was occupied in February, 1958.



View of the New Detachment Building for the Ontario Provincial Police  
SIOUX NARROWS

### **Stayner**

Construction work on four residences, with attached garages, commenced in September, 1957, was substantially completed in March.

### **Sturgeon Falls**

Construction work on a new detachment building consisting of Court House, office and cell block, living quarters and two-car garage, is well under way at this location. Erection of a one-car garage for detachment use was completed.

### **Temagami**

Repairs were made to the domestic water system and the heating plant at the detachment building.

### **Timmins — District Headquarters**

New oil-burning furnaces were installed replacing old heating units in four Ontario Provincial Police houses, including two on Tamarack Street, one on Balsam Avenue and one on Maple Avenue.



The Newly Constructed Detachment Building for the Ontario Provincial Police  
WOODSTOCK

### **Waterdown**

Extensive repairs and alterations, including winterizing of the rear porch, repairs to heating plant, and interior and exterior painting, were carried out at the detachment building.

### **White River**

A two-cell temporary lock-up was constructed as a temporary expedient to serve the needs of this district until the new detachment building is erected.

### **Whitney**

Construction work commenced in June, 1957, on the erection of a standard plan detachment building for which a site was purchased the previous year. Good progress was made by the end of this fiscal year with brickwork completed and the building entirely closed to the weather, and interior work well advanced with the section containing the living quarters complete.

### **Woodstock**

Commenced in January, 1957, a detachment building and six-bay garage of standard design, similar to the Essex detachment building, was constructed during the past fiscal year and occupied by the Ontario Provincial Police on March 1st, 1958.



## DISTRICT BUILDINGS

### Cochrane North

#### Cochrane

A programme of renovation, repairing and redecorating was undertaken early in the year at the Court House building and completed in November, 1957. This comprised the replacement of two H.R.T. boilers in the basement with two new welded steam boilers; work on the cement block wall in the coal room to provide storage for storm sash, ballot boxes, etc., and the installation of a shower in the basement for the use of Ontario Provincial Police personnel. New lighting was also installed in the ventilating equipment room and the exterior of the building was painted.

### Kenora

#### Kenora (Court House)

The Judge's Chambers, and the Secretary's office, were redecorated and new blinds and drapes supplied. A new incinerator was installed and electric ash hoist equipment, and the first of two stokers, were received and installed.

### Kenora

#### Kenora (Registry Office)

An old building, on recently acquired land, was demolished to make way for the construction of an extension to the Registry Office building. Work presently under way consists of backfilling and levelling operations.

New linoleum tile flooring was installed throughout the building.

### Muskoka

#### Bracebridge

Installation of a fire alarm system and exit signs was completed. Considerable repairs were carried out both as to exterior and interior. The front entrance was repaired and an iron railing installed; roof flashings were repaired and the flagpole lengthened, and exterior woodwork cleaned and painted. The interior of the building was repaired, plastered and painted.

### Nipissing

#### North Bay (Court House)

Repairs were made to the heating system in the Court House, renovations to the electrical services were made and the siding on the south wall repaired. A buzzer system was installed in the Sheriff's office, and minor plumbing repairs made. Plaster work is being cleaned and repaired, and linoleum laid.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

### **Nipissing**

#### **North Bay (Registry Office)**

Construction work, commenced in June, 1956, on a building to provide quarters for a new Registry Office, Land Titles Office and printing office for the Northern Ontario District of the Attorney General's Department, was completed in August, 1957. A description of this building was contained in the previous fiscal year's Report. Fire alarm and telephone systems were installed and the landscaping of the grounds completed.

#### **Parry Sound**

The exterior woodwork of the Court House and Registry Office building was cleaned and painted, and new steps were constructed at the front entrance of the Court House. The main chimney was repaired and pointed, and four unused chimneys were removed.

### **Rainy River**

#### **Fort Frances**

The Judge's retiring room at the Court House was refurnished and included installation of library book cases and fluorescent lighting fixtures. Following installation of the new 4" cast iron water main to the building, landscaping was carried out and minor repair work done. Electric ash hoist equipment, and a new hot water tank, were received and installed.

### **Sault Ste. Marie**

#### **Sault Ste. Marie**

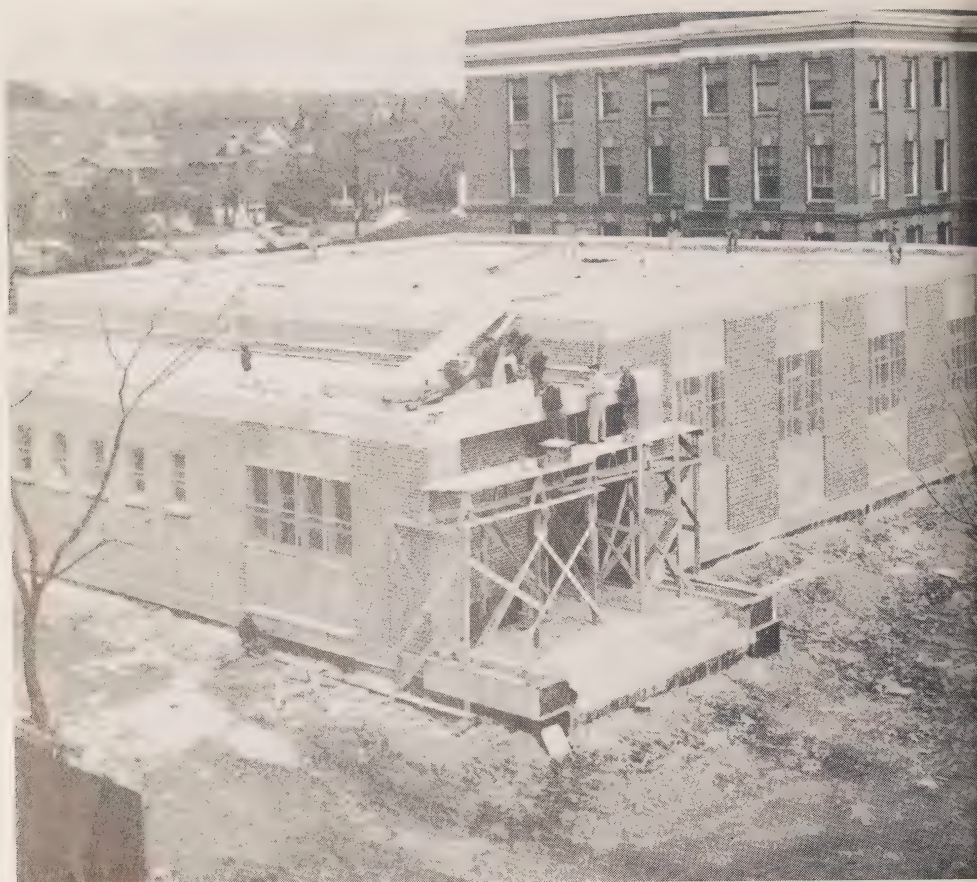
Construction work is well advanced on the site of the new Registry and Land Titles Office building, commencement of which was mentioned in the previous year's Report.

By the end of the fiscal year masonry work was completed on the north and west walls and carried to the window heads on the south and east walls. Installation of mechanical equipment is under way. Metal door frames were installed on the main floor and tile partitions are being erected.

### **Sudbury**

#### **Sudbury — Court House (Extension No. 1)**

Considerable construction, made necessary by the great expansion and increasing volume of business in the Northland, was undertaken at this location during the fiscal year. To provide additional space at the Court



View showing Construction Progress of the New Registry and Land Titles Office Building  
SAULT STE. MARIE

House construction of Extension No. 1 commenced in April, 1957, and by the end of the fiscal year exterior masonry walls and roof were completed, and rapid progress made on interior work. The new extension is of two storeys and basement, approximately 56 feet by 57 feet, and of brick and reinforced concrete construction on a structural steel frame. It will provide accommodation for offices for the Probation Officers, Judge's Chamber and office, Family Court Room, Jury Room, Witness Rooms and public waiting rooms, lawyers' robing room, Division Court Room and offices, Magistrate's Office, vault and washrooms.





View showing Construction Progress of Extension No. 1, Court House Building  
SUDBURY

## Sudbury

### Sudbury — Court House (Extension No. 2)

Late in this fiscal year, March 4th, excavation was started for the construction of Extension No. 2 to the Court House Building as the second stage to increase the facilities of the Sudbury office. Extension No. 2 is located to the west, and parallel to, the existing Court House. The basement, under the front portion only, extends easterly to connect with the existing building, and contains a corridor linking up with the old building. A north-south heating tunnel extends from the centre of the main structure with a branching tunnel running westward to the nearby gaol building.

The first floor will accommodate two Court Rooms with seating capacity of 112 and 96 respectively, and separated by a main corridor running straight through from the front entrance to the rear; also a Jury Room, Witness and Prisoners Rooms and, at the rear, rooms for two Magistrates, vaults and washrooms. A second corridor from the west side entrance crosses the first, running eastward to connect with the existing Court House building. It will be fronted by the offices of the Crown Attorney and his assistants and staff, on either side of the front entrance. The new extension will be of fireproof construction throughout with exterior walls of brick and stone on a steel and concrete frame.



View showing Commencement of Demolition Work at the Registry Office Building  
FORT WILLIAM

## Temiskaming

### Haileybury (Court House)

New floor coverings were laid in the Court House. A partition was erected in the Magistrate's Office and the counter in the Sheriff's Office was extended. New floor linoleum was placed in the Judge's Chambers, offices of the School Inspectors, Magistrate, Mining Recorder, Children's Welfare, Barristers and Crown Attorney, and Division Court Library Room, Judges' Restroom, Jury Room and Court Room.

## Temiskaming

### Haileybury (Registry Office)

Installation of a new roof and roof flashings was completed at the Registry and Land Titles building. The exterior of the building was painted.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

### **Thunder Bay**

#### **Fort William (Registry Office)**

Work commenced on October 28, 1957, on a programme of complete renovation for the Registry Office at Fort William. The entrance walk and entrance stairs were replaced with reinforced concrete, the basement cleared and work begun on new washrooms. The new boiler room was established, boiler installed and a new chimney built.

The renovation programme calls for a new heating and air conditioning system, rebuilding of the staff washrooms, a new lounge room and refinishing the basement filing room. The main floor is to be completely renovated and opened up; existing partitions will be removed, windows replaced with glass block panels, and a new floor and a new suspended ceiling incorporating a new lighting system will be installed. Existing skylights and roof framing will be replaced with a new long span steel joist roof, with slab deck and 20-year bonded roof.

### **Thunder Bay**

#### **Port Arthur (Court House)**

The interior painting of the building was completed.

### **Thunder Bay**

#### **Port Arthur (Registry Office)**

Equipping and furnishing of the new Registry Office was completed and the building officially opened on May 31st, 1957, by Hon. A. Kelso Roberts, Q.C., Attorney General for Ontario, assisted by the local Member, Mr. George C. Wardrope.

## **FIRE MARSHAL**

### **Gravenhurst Fire College**

Work progressed on the renovation of buildings taken over from the National Sanatorium Association for the purpose of establishing a new Fire College to be operated under the direction of the Ontario Fire Marshal's Branch.

Work on the Lecture Hall was rushed for the October semester. New washrooms were installed and temporary partitions provided in addition to the erection of metal partitions and installation of oil-burning equipment in the furnace, and numerous general repairs, including re-shingling of the roof and repainting of the exterior.

Renovation commenced in August, 1957, and continues in four of the six buildings at this location. Approximate percentages of completion are as follows: lecture hall 90%; administration building 60%; boiler house 65%; main building 20%; staff house 10% and residence 10%.



## For The

# DEPARTMENT OF EDUCATION

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### Ontario School for the Deaf, Belleville

#### Junior School and Students' Residence

Work commenced in June, 1957, on the construction of a new Junior School and Students' Residence in implementation of the programme to provide more adequate schooling and housing facilities for this Institution. The structure will contain sixteen standard classrooms, two nursery classrooms, speech training rooms, club and projection rooms, a rhythm room, students' activities rooms, storage rooms and washrooms. Included in this school portion are administration facilities, faculty rooms, and testing rooms for the students. This section of the building is a single-storey wing approximately 285 feet by 98 feet, and is designed to accommodate 180 students from the ages of three to ten years.

Living accommodation for the students will be provided in a large single-storey "L" shaped building, one wing of which will accommodate 48 nursery students and 6 house mothers, and the adjoining wing 72 girl students and 7 house mothers. Each wing includes students' dormitories, play rooms and storage facilities. The location and design of the building provides separate secluded play areas, while dormitory accommodation is designed to provide sectional and group student control.

The dining room is located with, and is easily accessible to, all classrooms, dormitories, etc., and designed to accommodate all students, teaching and supervisory staff at each meal. Kitchen equipment will provide fast and efficient food preparation and service. Sixty junior boy students will reside in an existing building, but will attend this school and use its dining room facilities.

Construction work was satisfactorily maintained during the fiscal year and by March, 1958, masonry work, rough carpentry and terrazzo work were completed and plastering and installation of hardware were under way.

#### Laundry Building

On September 15, 1957, construction work commenced on a new Laundry Building to serve the requirements of this Institution. The building is of masonry and tile construction with structural bar joists and quarry tile floor. Overall dimensions of the structure will be 100 feet by 50 feet and will contain a sorting room, mechanical room, sewing room, laundry area and rest rooms.

The building was completely closed in with a temporary heating system installed preparatory to interior finishing and installation of steel sash and glazing were completed. By the end of the fiscal year construction work had advanced to the approximate half-way stage with installation of underground storm and sanitary lines completed and some electrical work under way around the exterior walls.



Panoramic View showing Progress of Construction of the New Junior School and Students' Residence,  
Ontario School for the Deaf  
BELLEVILLE

## Power House

Construction of a new Power House commenced in October, 1957, to serve the expanding needs of the Ontario School for the Deaf, Belleville. The building is of masonry and reinforced concrete construction, structural steel framing, quarry tile flooring with glazed tile. Exterior dimensions are approximately 80 feet by 60 feet and will include besides the boiler room area, an incinerator for dry garbage disposal, a shops room for building maintenance and a diesel generator room for emergency. A feature of the design is the built-in coal and ash handling facilities.

By March, 1958, exterior walls had been raised in some areas to coping height and all structural steel was erected except for installation of bar joists over the electrical and shops rooms areas. Electrical underground duct work was completed and installation of conduit in the masonry walls was under way. At the end of March the building was closed to the weather.

## Staff Residential Dormitory

During November, 1957, construction work commenced on a new residence to provide accommodation for forty-four staff members, including a dietitian's suite, for the Ontario School for the Deaf at Belleville.

The completed building will be of two storeys, approximately 182 feet long and 40 feet wide, with a ground floor which includes a hobby room, television room, games space, coffee corner and a laundry and sewing room. First and second floors will consist primarily of living quarters with additional facilities of a living room, library and kitchen on the first floor.

By March, 1958, blockwork was completed to the second floor bearing walls and work was under way on blockwork to the first floor partitions. Pouring of concrete slab to the second floor, and concrete slab to roof, was completed and installation of steel joists and pans to roof was nearing completion.

## General

In accordance with the Fire Marshal's recommendations erection of fire escapes at the boys' and girls' building was completed, and installation of fire escapes at the junior residence is nearing completion.

A small building, approximately 12 feet by 16 feet, is under construction for the storage of oil and inflammable materials.

Good progress was made on the extension of the fire alarm system to service all buildings.

Work commenced on the installation of a modern stage lighting system in the auditorium.

Some repair and maintenance was carried out at the main building. Worn hinges on the entrance doors were replaced and lino tile laid on the floor of the attendants' dining room.

Considerable work was done at the girls' residence, where the junior playroom was completely redecorated and the floor covered with lino tile: door fasteners were replaced on 160 cupboards and lockers in eight dormitories; and installation of two new drinking fountains made in the gymnasium. A bathtub was installed in the supervisor's washroom.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

Installation of a new food elevator in the main building was completed. Twelve classrooms, and installation of acoustic tile on walls and ceilings in the main building, were completed.

Exterior woodwork of the girls' residence was painted, and a new roof installed.

Exterior woodwork of the fire hall was painted.

Work in connection with the enlarging of the supervisor's rooms and installation of washrooms in the boys' residence was completed. New screens were installed on the windows and self-closing basin taps renewed. New sills were installed in the fire escape windows.

Two parallel tanks, 48" by 96", were installed to replace the old domestic hot water tank in the girls' residence.

### **Ontario School for the Blind, Brantford**

Considerable renovation work was undertaken at this Institution. Demolition work was carried out preparatory to renovation of the power house and equipment and installation of two new boilers. Installation of coal handling equipment was completed and improvement work in the coal bunker area is finished, including the laying of weeping tile and new floor, waterproofing walls and replacing coal truck tracks with new rails.

Installation of fire escapes, and fire escape doorways, in implementation of recommendations of the Fire Marshal, was completed. Fire reels are being installed in the boys' and girls' dormitories.

Construction of the new refrigerated garbage room, near the laundry in the main building, was completed.

Alterations to the laundry room are in progress. Installation of fans was completed and work continues on the installation of electrical improvements. Steam and water lines in the reconstructed laundry area were changed.

Replacement of sash and screens in the kitchen area of the main building was completed, and a new steam cooker was installed in the kitchen.

Painting activities included exterior and interior painting of the Bursar's residence and interior painting of the boys' and girls' dormitories.

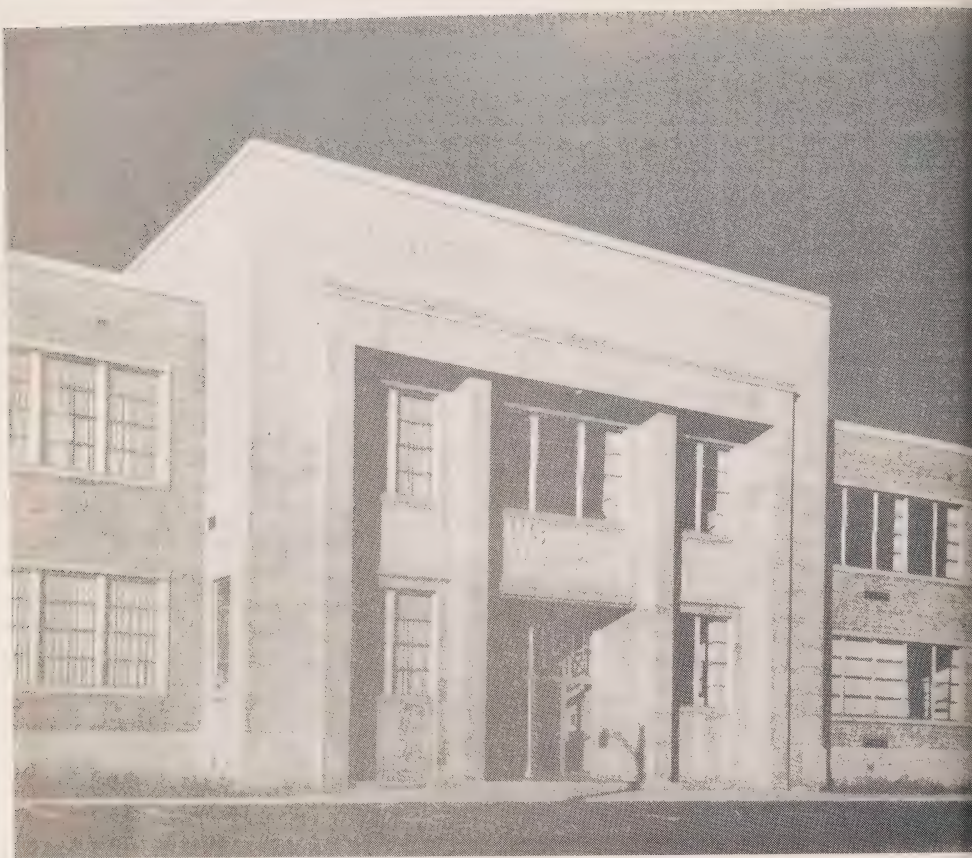
Repairs to the veranda of the Principal's residence, including new eavestroughing and re-roofing, were undertaken and completed.

### **Haileybury — Provincial Institute of Mining**

New tuyeres were installed in the stoker.

### **Institute of Technology, Hamilton**

An asphalt road was constructed running from Wentworth Street to the boiler room. Gravel on the rear parking lot was replaced with crushed stone.



View of the Main Entrance at the New Teachers' College  
HAMILTON

Laboratory tables were installed, and installation of wiring services into the laboratory was completed. Renewal of plumbing pipes was substantially completed.

A new driveway leading to the boiler house was completed.

New classroom fixtures were installed.

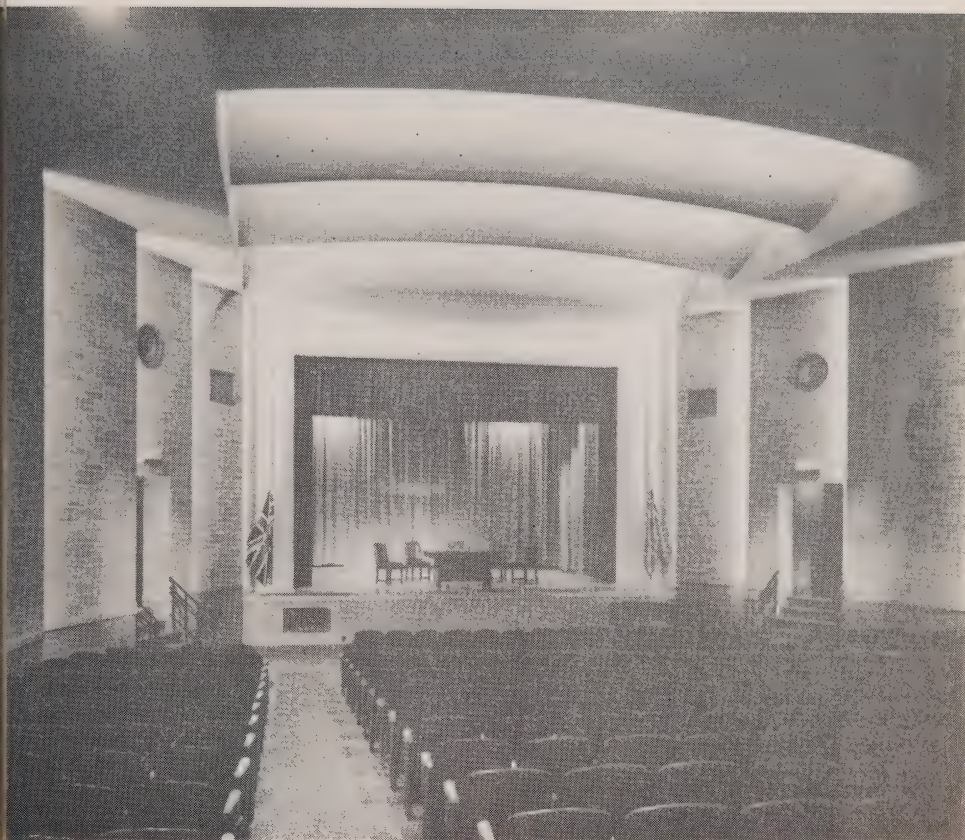
### **Teachers' College, Hamilton**

Official opening ceremonies were held for the new Teachers' College, Hamilton, on Monday evening, April 15, 1957, with the Hon. William J. Dunlop, Minister of Education, assisted by the Hon. William Griesinger, Minister of Public Works, officiating.

Minor repairs were carried out and construction work on new roads leading into the College continued during the year.

### **Teachers' College, London (Old Building)**

Repairs at the main building were undertaken and completed.



View of the Auditorium Showing the Stage End at the New Teachers' College  
HAMILTON

### **Teachers' College, London (New Building)**

Corner stone laying ceremonies were conducted on Thursday, June 13, 1957, when the Hon. William J. Dunlop, Minister of Education, assisted by the Hon. William Griesinger, Minister of Public Works, laid the corner stone at this College.

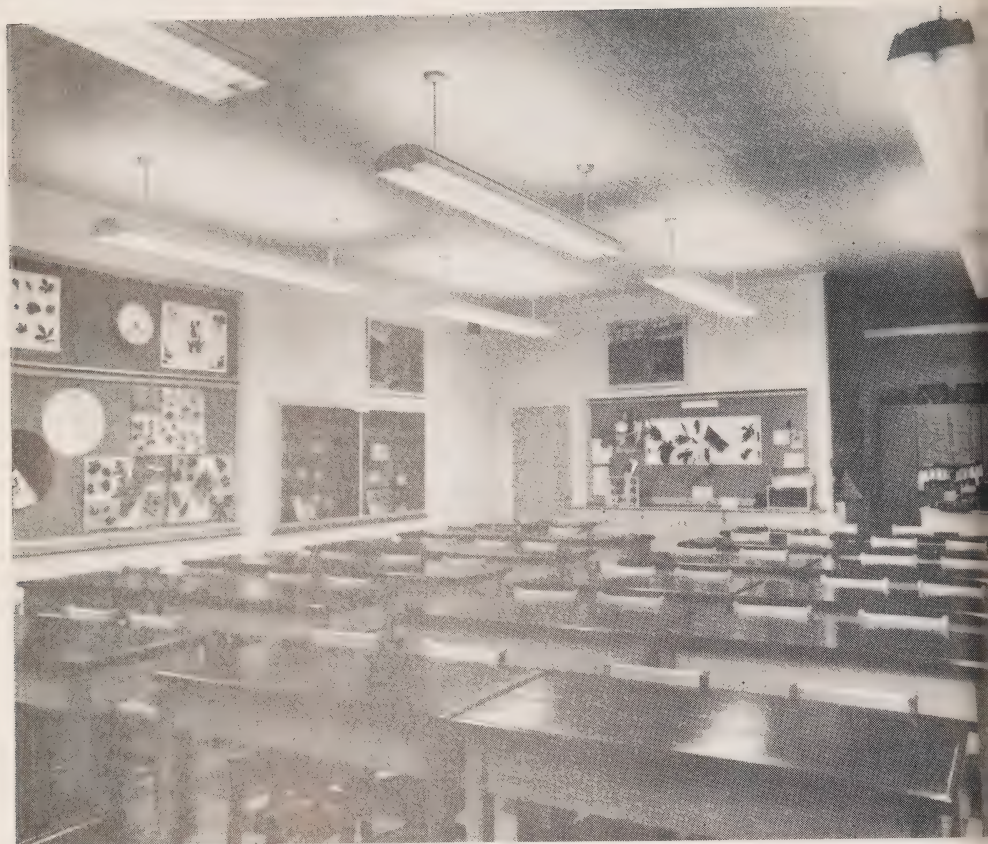
Construction work started in October, 1956, and continued throughout the fiscal year. By March, 1958, the building was completely enclosed and interior masonry work nearing completion. Finish tile work on gymnasium walls was finished and washed down, and installation of ceramic tile in washrooms of the classroom wing was well under way. Installation of acoustical tile ceilings in the classroom wing was completed and the work of the mechanical trades was well in pace with the trend of general construction.

A full description of this College was given in the previous year's Report.

### **Ontario Athletic Camp, Longford Mills**

Repairs to the roof and doors were carried out.





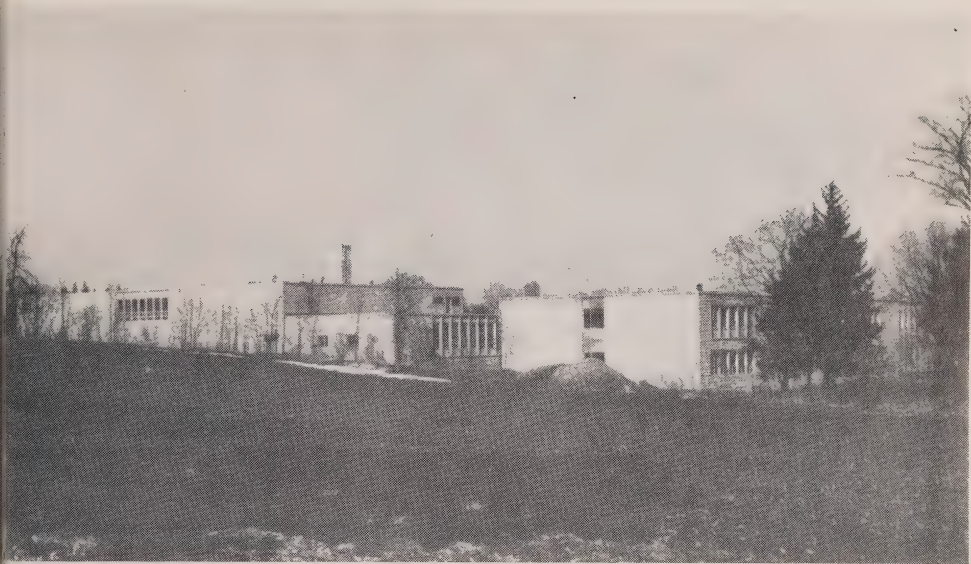
View of the New Science Room at the Newly Constructed Teachers' College  
HAMILTON

### Lakeshore Teachers' College, New Toronto

Work commenced in February, 1958, on construction of the Lakeshore Teachers' College to provide the teacher training needs of the New Toronto area with all facilities for an enrolment of 750 students.

The new College is sited on the south side of Lakeshore Drive at Twenty-Third Street in New Toronto, adjoining the Ontario Hospital. It will be an "L" shaped structure, the main classroom unit containing administration offices, health unit, staff rooms, Roman Catholic sisters' common rooms, and classrooms for industrial arts, home economics, science, and sixteen standard classrooms. It is a two-storey structure, 400 feet long, and faces Twenty-Third Street. At right angles to it, and parallel to Lakeshore Drive, the auditorium-gymnasium wing contains an auditorium to seat 600, double gymnasium with gallery, cafeteria, library, reading room, lounges, and boiler room.

To minimize street noises, the building is located 200 feet back from the street line, and main access will be from Twenty-Third Street by means of a covered walkway. The main entrance vestibule opens into



View showing Advanced Construction Progress of the New Teachers' College  
LONDON

a foyer of glazed brick with wood and glass partitions, and a free-standing stair of unusual design leading to the second floor. Opposite the vestibule will be a glass wall with doors leading to a sunken garden in a court which features pavement interspersed with planting, low brick walls with built-in benches, trees, and sculpture at focal points. The administration, health unit and staff lounges will be located adjacent to the foyer.

Classroom equipment and fixtures are of the newest approved design, and a teachers' office is provided for every two classrooms. The gymnasium, 72 feet by 90 feet, is divided into men's and women's sections by an electric folding door, and has a gallery on one side, with change rooms, showers, instructors' offices and storage areas below it on the main floor.

Construction is of reinforced concrete beams, columns, floor and roof, with external faces of all exposed members veneered in limestone. The second floor and roof slabs extend approximately four feet beyond the wall lines to provide protection from the sun. Exterior walls are of brick, and window frames of wood with metal ventilating sash.

### **Teachers' College, North Bay**

The interior of the building was painted.

### **Eastern Ontario School of Technology, Ottawa**

The former Slater School building in Ottawa was completely renovated to provide quarters for the establishment of the Eastern Ontario School of Technology. Classrooms were rewired, plaster work repaired, and the interior was redecorated. New electrical fixtures, window blinds, and equipment were installed, and the building was ready for the opening of the fall term in September, 1957.



## **Teachers' College, Ottawa**

Renovation work was completed in the Agricultural Representative's office and included the erection of partitions and building of cupboards. Following alterations the office was painted.

General repairs, including repairs to windows, doors and canopy, were completed.

## **Lakehead College of Arts, Science and Technology, Port Arthur**

Official Opening Ceremonies were held on Wednesday, October 2, 1957, when the Hon. William J. Dunlop, Minister of Education, assisted by the Hon. William Griesinger, Minister of Public Works, officially opened the College to serve the educational requirements of the Lakehead district.

Excavation for this building was started on July 25, 1956. The building consists of a two-storey wing 140 feet by 66 feet and a one-storey wing 114 feet by 64 feet and provides four lecture rooms, seven laboratories, a common room, student office, tuck shop and other necessary facilities.

Landscaping, driveway paving, walks and outside lighting were substantially completed by December, 1957.

## **Teachers' College, Stratford**

Considerable renovation work was carried out on the exterior and interior of the building. Woodwork at the entrances was repaired and painted, and a parapet partition removed. An information desk, an exhaust fan, and new lighting conduit were installed. A varnish coat was applied to ceilings, walls and woodwork in the laboratory and rooms 3, 4 and 5. Plaster was repaired, and a men's washroom was tiled.

## **Institute of Trades, 21 Nassau Street, Toronto**

The responsibility for the maintenance of the Institute of Trades, 21 Nassau Street, Toronto, was taken over by the Department of Public Works from the Department of Education in July, 1957, at which time commencement was made on a programme of rearrangement and strengthening of the three buildings to render them adequate to accommodate the heavy equipment required for use by the Institute.

The three structures were originally built under the supervision of the Department of Education and were never substantially completed. They were not designed for the floor loads which will be required for Institute equipment. The work project, which is well advanced, includes the redistribution of machinery and equipment, installation of classrooms, strengthening of floor supports as required, complete fireproofing, and installation of fire escapes, additional lighting, and improved ventilation, plumbing, electrical and heating facilities.

Building No. 1 is approximately 68 feet by 127 feet, with three floors, 18" masonry walls, and steel beams and columns with slab construction.

Building No. 2 is approximately 76 feet by 87 feet, with three floors, 18" masonry walls and construction similar to No. 1.

Building No. 3 is approximately 120 feet by 230 feet, with four floors, 18" masonry walls, and of construction similar to the other buildings.





terior View of Unit No. 1 of the New Building Group, Ryerson Institute of Technology  
TORONTO

## **Ryerson Institute of Technology, Toronto**

### **Unit No. 1 — New Building Group**

Construction of Unit No. 1 of a new building group that commenced on December 3, 1956, at the Ryerson Institute of Technology, Toronto, was brought to completion in March, 1958, and occupied by the staff and students.

### **Unit No. 2 — New Building Group**

Preparation for the site commenced on February 4, 1958, for Unit No. 2 of the new building group at Ryerson Institute of Technology, Toronto. Trees and fences were removed and removal of old buildings is in progress.

The building is fronted 20 feet back from the street line on both Church and Gould Streets and is three storeys in height with full basement. It has a frontage on Church Street of 388 feet running from Unit No. 1 down to Gould Street, so that the total frontage on Church Street of

Units Nos. 1 and 2 is 529 feet. Unit No. 2 extends westerly along Gould Street from Church Street, a distance of 175 feet.

The base of the whole building from the ground floor to the first floor line is built of granite and the most of the first, second and third floors are built of brick with stone trim. A central feature on the Church Street frontage, and on the court frontage, is built entirely of Queenston Limestone from the first floor to the roof. On top of the central frontage is a large penthouse to house the air conditioning equipment, and on top of this is a television tower reaching to a height of 150 feet above the ground.

On the basement floor the boiler and heating plant for the whole completed building, over the entire site, is installed and also garage space for accommodation of school trucks. It also includes the fan room for the ventilation of this Unit, and maintenance staff quarters, and receiving room and supplies for the whole of the Institute. A large area of the basement will be used for aeronautics. A welding shop, machine shop, metallurgy laboratory, heat treatment, physical testing and metrology laboratory are also accommodated in the basement portion.

The first floor has some accommodation for administration and includes several physics laboratories, an electrical laboratory, an industrial electrical laboratory, some classrooms, a communications laboratory, two receiver laboratories, two electron tube laboratories, a microwave laboratory and also a large lecture room.

The second floor contains four physics laboratories, a large lecture room, several classrooms, a radio laboratory, a scenery room, two large television studios with their necessary control rooms, and two radio laboratories and their control rooms.

The third floor has a large lecture room, an electrical draughting room, machine design laboratory, a tool design laboratory, three engineering drawing rooms, several classrooms, a television laboratory, and a writing-typing and programme laboratory, all with the necessary staff quarters.

This Unit No. 2, therefore, accommodates the following courses: electrical technology, electronic technology, radio and television arts, mechanical technology, metallurgical technology and some aeronautical technology, and will accommodate approximately 1,500 students.

The structure of the building is entirely of reinforced concrete columns, beams and slabs. The corridor floors and stairways are finished in terrazzo. There are built-in steel lockers in the corridor walls and the balance of the room floors are finished in linoleum or vinyl asbestos tile.

### **Teachers' College, Toronto (Carlaw Avenue)**

Repairs to gymnasium windows and construction of gymnasium store cupboards, equipped with locks, were completed. New shelving was constructed and installed in various classrooms.

A new concrete slab was laid at the north-east entrance to the College, and repairs were made to acoustic ceiling tiles in corridors and classrooms.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

### **Teachers' College, Toronto (Pape Avenue)**

Repairs were made to plaster and interior painting of the three floors and basement undertaken.

Exterior masonry was repaired and pointed.

The roof was thoroughly scraped of gravel, and a four-ply tar and gravel covering applied, and finished with new galvanized flashings.

### **Western Ontario Institute of Technology, Windsor**

The former Mercer Street Public School, located on the north-west corner of Mercer and Elliot Streets in Windsor, was leased for use by the Department of Education, and will be known as the Western Ontario Institute of Technology.

The school was built approximately in 1890, but ceased being used as a school approximately in June, 1950. The building is a two-storey structure with full basement and is of brick construction. It contains approximately eight classrooms and is situated on a lot 200 feet by 164 feet.



## For The

# DEPARTMENT OF HEALTH

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### **Ontario Hospital, Aurora**

Parapet walls of the main building were pointed.

Two brooder houses and a turkey run were constructed and extensive repairs made to another turkey run.

### **Ontario Hospital, Brockville**

Corner Stone Ceremonies were held at the Ontario Hospital, Brockville, on Wednesday, September 25, 1957, when Mr. James A. C. Auld, M.P.P. for Leeds, assisted by the Hon. Mackinnon Phillips, Minister of Health, and the Hon. William Griesinger, Minister of Public Works, officiated at the laying of the corner stone at this hospital.

### **Female Continued Treatment Pavilion**

Construction work on this pavilion, commenced in December, 1955, was nearing completion at the end of the fiscal year. Electrical roughing in, plastering and finish carpentry, including hanging of doors, was completed and good progress was made on installation of interior equipment, and most of the occupational therapy equipment in the basement area was placed.

### **Male Continued Treatment Pavilion**

Erection of the male continued treatment pavilion started in May, 1956, advanced during the year to a satisfactory stage. Roofing was completed and good progress made on interior work. Electrical and plumbing roughing in and interior partitions were completed, and installation of finish carpentry and hanging of doors completed. Equipment of the occupational therapy section in the basement is under way and continuing.

### **Farm Buildings**

Construction of a fireproof grist mill, commenced in November, 1956, at the Stagg Farm, was completed and machinery installed.

A new septic tank and seepage bed was completed at Falcon Acres.

### **General**

A new bathroom and sanitary system was supplied to the Zufelt residence.

The woodshed at the herdsman's residence was renovated.



showing the First Ground Breaking Operations at the Site of the New Ontario Hospital Training School (Cedar Springs)

CHATHAM

### **Ontario Hospital Training School (Cedar Springs), Chatham**

Ground was broken on February 11, 1958, in preparation for the construction of the new Ontario Hospital Training School for Retarded Children, located at Cedar Springs, near Chatham.

This new hospital for South-Western Ontario will be located on a 365-acre tract of land in Raleigh Township, three miles west of Cedar Springs on Highway No. 3. The larger portion of the property lies north of the highway, with the balance extending south of the road to the lake shore. The hospital and lands will have an approximate elevation above the water of Lake Erie of 78 feet, thus providing excellent drainage for storm water and sewage into the lake.

The sanitary sewerage system will be located between Highway No. 3 and Lake Erie and will be well excavated into the face of the cliff on the lake side, and in this position can be practically hidden by trees. The water intake system will be located on the opposite end of the lake shore section of the property and thus kept as far away as possible from the sanitary sewerage out-fall system.

The buildings to be constructed as a first stage development for the new hospital will have accommodation for some 1,300 patients and will consist of the following units: administration building, school, gymnasium and recreational facilities, central dining hall, kitchen, sleeping pavilions and bath houses for 900 children, medical-surgical and treatment building with bed accommodation for 200 male and 200 female patients, boiler house, laundry, workshops, root houses, nurses' residence and staff residence.

The boiler house, laundry, mechanics' workshops and root houses will be located north of the medical-surgical and treatment buildings. The nurses' residence and some staff residences will be situated near the front of the property. Ample space will be provided for the games areas for the children around the buildings, and space is also provided for future expansion of the bed capacity as and when required.

## **Ontario Hospital, Cobourg**

### **New Extension to Kitchen and Dining Hall Building**

Construction of an extension to the kitchen and dining hall building at this hospital was undertaken during the year in order to expand the accommodation, and improve the facilities, which have become overtaxed through increased enrolment of patients.

The new addition, 43'8" by 32'6", is of two storeys and basement, of brick and concrete construction with steel and concrete floors. The basement floor houses lavatories, washrooms and a cold storage room. The first floor, an enlargement of the existing kitchen, will contain a new kitchen and four cold storage rooms. The second floor provides an extension westward of the existing second floor dining room. There will also be a new brick and concrete stairway at the easterly end of the existing building leading from the first floor dining room to the second floor dining room.

Overall construction work was approximately 45% completed by the end of the fiscal year with concentration of work progressing on the installation of plumbing and heating lines and ventilation. Erection of tile partitions in the basement and first floor areas were substantially completed.

Brick walls were erected around the well hole for a new service elevator leading from the first floor kitchen to the second floor kitchen in the existing hospital building.

### **General**

Progress was made on the extensive programme of renovation of the plumbing, heating and electrical services in conjunction with the fire prevention work at this Institution.

Construction work on the new transformer room addition for the diesel standby power unit was approximately 85% completed in March, 1958. Concrete floors were completed and a new office for the hospital engineer located in one section of the building.

Work is well advanced on the installation of a TV master antenna to provide reception in the day rooms.

Work was carried out on the Institutional roads, including drainage, widening and paving.

Renovation work was carried out in Wards 1 and 2 of the main building. This included installation of new toilets and a washroom and shower and a bathroom on the second and third floors.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

### **Ontario Hospital, Hamilton**

#### **New 600-Bed Hospital Group**

The main contracts were let and construction work commenced in March, 1958, on the erection of a new 600-bed hospital group at the Ontario Hospital, Hamilton, to substantially increase the accommodation and amplify the services at this Institution. The group will include an administration building, a kitchen and cafeteria and revisions to the existing kitchen, a 400-bed male and female senile patients' building, a 200-bed male and female admission and acute treatment building and a mental health clinic.

#### **Administration Building**

The administration building is connected to the northerly side of the acute treatment building at split level. Of two storeys, it accommodates the business administration offices on the first floor and medical administration on the second floor with the basement used for file storage.

#### **Kitchen and Cafeteria**

The kitchen and cafeteria, lying to the south of the occupational therapy wing of the acute treatment building, is a one-storey plus basement structure, circular in plan, accommodating the cafeteria and dining rooms on the first floor and the kitchen in the basement. Each consists of a capacity to handle the staff of the entire hospital and allows for future expansion.

#### **Male and Female Senile Patients' Building**

The building to house the 400-bed male and female senile patients is a two-storey structure with reinforced concrete frame. Exterior walls will be constructed of brick and tile.

#### **Male and Female Admission and Acute Treatment Building**

The 200-bed male and female admission and acute treatment building will be similar in design to the senile patients' structure with male and female admission wards on the first floor and male and female acute treatment wards on the second floor. The main section is long and narrow with a two-storey wing to the south accommodating the shock treatment areas on the second floor, the first floor admission suite and occupational therapy department. The basement accommodates the baking division and part of the main kitchen, and south of this lies the cafeteria, kitchen and corridor leading to the senile building, mortuary and infirmary.

#### **Mental Health Clinic**

The mental health clinic will be a small separate building, one-storey in height with full basement. The building will be "U" shaped with mental health facilities on one wing and out-patients' social workers' offices on the other wing, with the lobby and waiting room for both divisions on the first floor connecting section, which fronts onto the semi-enclosed court. This building is of steel and wood construction with roof of wood joists.



View showing Progress of Construction of the New Laundry Building, Ontario Hospital  
HAMILTON

### New Laundry Building

Erection of a new laundry building commenced on November 21, 1957, on the Ontario Hospital site. The building will be of masonry construction with structural steel framing and traprock floor. A one-storey structure, the overall outside dimensions will be approximately 100 feet by 240 feet. The small basement, 52 feet by 45 feet, will be located at the north-west corner of the building.

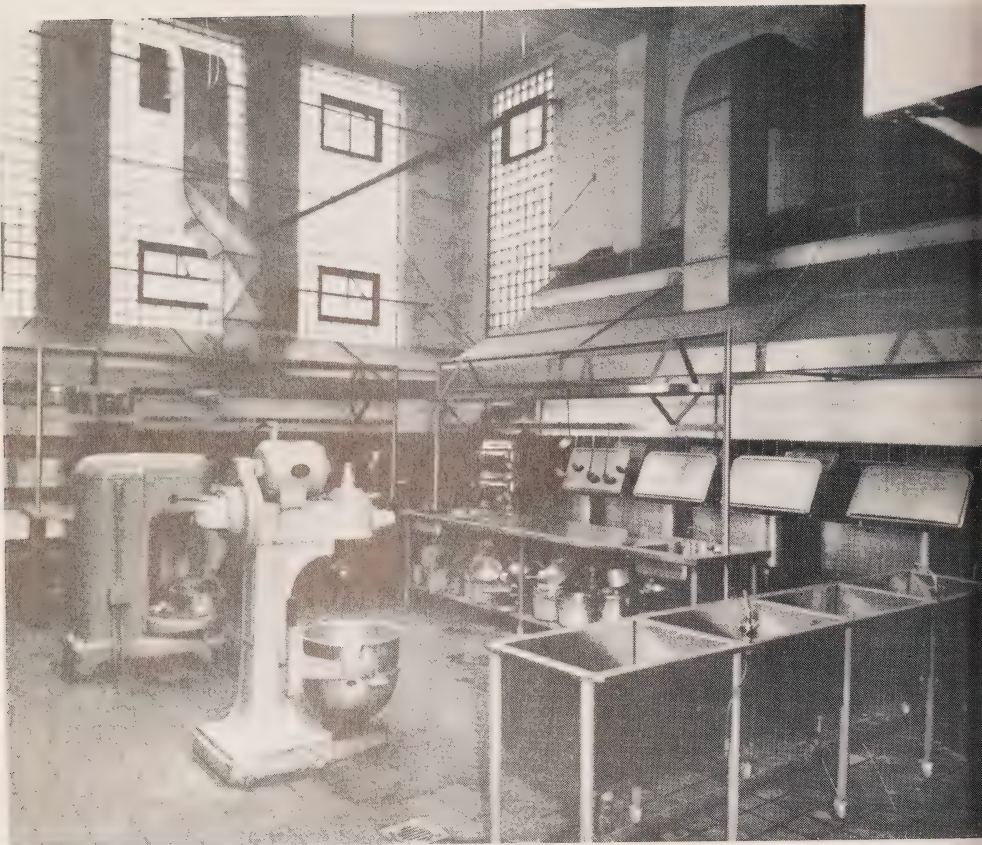
Generally, the building is divided into three basic areas, for sorting, assembly and laundering operations, and will be fully equipped to handle the work load of the hospital with provision for additional equipment when required to meet future expansion. There will also be lunch and rest rooms. Partitions throughout the building will be of brick, and block, the block partitions faced with glazed ceramic tile. The roof will be of precast lightweight roof tile on structural steel frame, and the floor of concrete with traprock finish. The basement will be used as a mechanical room and will be provided with a sidewalk type hoist.

During March, 1958, structural steel erection was completed and commencement made on masonry work. Exterior door and window frames were in course of installation and formwork was proceeding for the fan room floor slabs and exterior stairs on the south side of the building. Overall completion of the project was approximately 25%.



A New Renovated Washroom in the Main Building, Ontario Hospital  
HAMILTON





A Sectional View of the Renovated Main Kitchen, Ontario Hospital  
HAMILTON

#### **Main Building**

Renovation of detention rooms and adjoining staff washrooms in the main building group to provide accommodation for disturbed patients was completed. The work included installation of new steel window frames and sash in all rooms of the male and female detention wards.

Floors and corridors were renovated. Linoleum was laid in Wards 3, 6, and 8, and new lighting fixtures were installed.

#### **Orchard House**

Work was completed on the laying of new tile floors in two dining rooms at the Orchard House in furtherance of the general fire-proofing programme.

#### **New Power House**

Construction work progressed during the year on the new power house, as described in the previous year's Report. The new building accommodates three boilers with coal handling, ash disposal, and ancillary



A Sectional View of the Main Servery in the Main Building, Ontario Hospital  
HAMILTON

equipment. At the end of the fiscal year all exterior brickwork and the roof were completed and good progress made on the installation of boiler, coal handling and other equipment.

#### General

Structural alterations and renovations were carried out at the nurses' residence, including the installation of a safety ladder leading from the second floor to the sidewalk.

A new fire escape leading to the second and third floors of East House in the front section was erected.

Reconstruction work at the greenhouses, and renewal of steam heating, was completed.

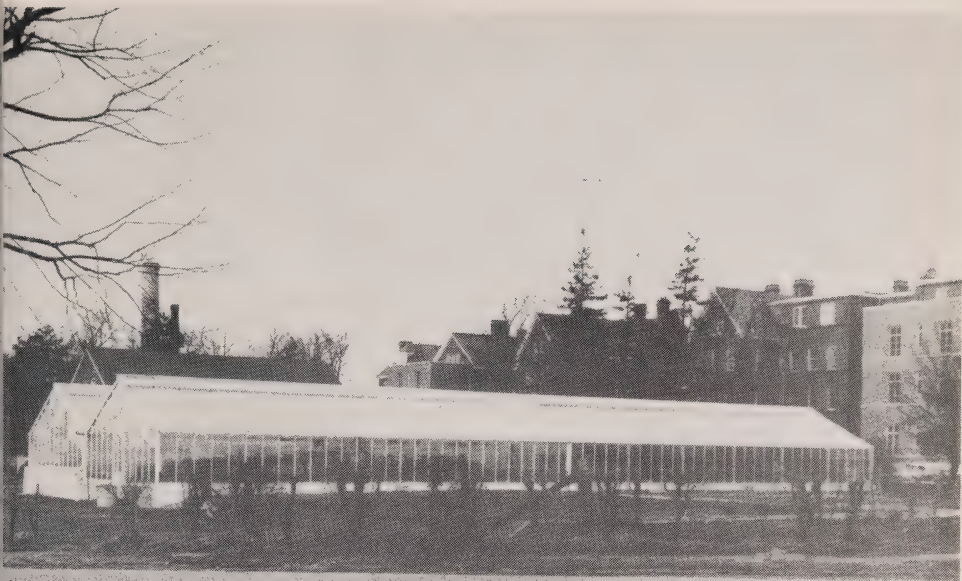
The main entrance to the hospital grounds was widened to 22 feet, providing a three-lane drive to the main building. Reshaping, grading and resurfacing of roads was also undertaken, and a parking lot for employees was provided on the south side of Fennel Avenue.





View showing Progress of Construction of the New Power House, Ontario Hospital  
HAMILTON





View of the Reconstructed Greenhouses, Ontario Hospital

HAMILTON

Work was completed on the preparation of rooms in the infirmary to accommodate the new electroencephalograph unit, including the laying of asbestos tile floor, and all painting. The exterior of the infirmary was painted.

A new bowling club house was constructed and new light standards were erected around the bowling green and tennis court.

Reinforced slab was installed to strengthen the roof over the fuel bunkers at the old boiler house.

Electrical wiring and fixtures were installed in the No. 2 and No. 3 doctors' residences, and steam and water lines were installed.

Sewers throughout the property are in course of renovation and one new manhole was constructed.

Repairs to roofs and eavestroughing are under way.

Excavation is proceeding for electric cable for new street lighting, and for the new line running from the new power house to the new laundry building.

## **Ontario Hospital, Kingston**

### **New 500-Bed Hospital Group**

Construction work on this group of buildings, started in September, 1955, and described in the Annual Report of 1955-1956, progressed to various stages of completion as follows:



Aerial View of the New Hospital Group, Ontario Hospital  
KINGSTON

#### **Administration, Reception and Active Treatment Block**

General construction work on this block of buildings was brought to substantial completion. Interior work and finishing has reached an advanced stage, and work on plumbing and heating, electrical and ventilating systems is nearing completion with the heating system operating. Some of the large hospital equipment was installed and the transformer room equipment is awaiting final inspection.

#### **Male Infirmary**

The male infirmary building is substantially completed. Some finishing work remains to be carried out with electrical installations constituting the major work to bring this project to completion.

#### **Female Infirmary**

The female infirmary building is completed.

#### **Kitchen and Dining Hall Building**

Construction work on the kitchen and dining hall building, and connecting passages leading to the active treatment building and infirmaries, is nearing completion. Interior work is well advanced with plastering completed and electrical installation in pace with this work. Equipment is on hand for installation.

#### **Mowat Division**

Replacement of the hot and cold domestic water lines from the power house to the main building and cottages was completed.



Showing Construction Progress of the New Administration, Reception and Active Treatment Buildings, Ontario Hospital  
KINGSTON

Boiler feed water treatment equipment was installed in the power house.

#### **Newcourt Farm**

The granary was reconstructed, new grain bins and a hammer mill installed, and the building placed in service.

The old cow barn and horse stable were rebuilt, and new mangers installed in the cow barn section.

The slaughter and root houses were equipped with new doors and window frames. Shingling of the root house was completed, new floors and face partitions in the storage area installed, brick wall renewed and new door frames erected.

Construction of an addition to the milk house and office was completed, a milk cooler and heating unit installed, the building painted and placed in service.

Doors and windows were renewed at the old ice house now used for grain storage purposes.

#### **Rockwood Division**

In furtherance of the general fireproofing programme, considerable renovation work was carried forward in the administration building. Work progressed on all four floors. Structural steel was placed, joints grouted, reinforced concrete floors poured, hollow tile partitions erected, and terrazzo and tile laid. Plumbing, heating and electrical installations were continued and plastering renewed. On the ground floor corridor wooden doors were removed and replaced with hollow steel doors.



At the end of the fiscal year the second floor was completed and occupied by doctors and clerical staff and the space temporarily used by them occupied by Ward 9 patients. Plastering, terrazzo floors and tile walls were completed on the third floor and in progress on the fourth, with construction work on the tile fire wall, and entrance to the elevator, proceeding.

The cupola was removed from the roof of the main building, repairs made to the existing roof, and copper applied to the new roof.

The new laundry building was equipped with machinery and the plant placed in service.

A new fire escape was completed for South Cottage.

Installation of the diesel generators at the new power house was completed and work progresses on renewal of blow-down piping and erection of an auxiliary 780-gallon water supply tank.

Installation of revised piping to all equipment, and erection and installation of piping to the domestic hot water system, was completed.

#### General

Grading for the new permanent hospital parking lot was completed and the lot put into service.

Construction of storm sewers is under way at the female infirmary area to drain flood waters. Excavation of earth and rock was completed, the base of a manhole poured, and formwork and installation of 12" concrete tile is now under way.

Work was completed on the hospital roads programme and the roads are in daily use.

Primary cable installation for the electrical distribution system is continuing with work proceeding on underground duct on the south loop to the Beechgrove building panel.

The steam distribution lines running from the new boiler house to the new hospital group, and including outside mains to Beechgrove building, were completed and put into operation.

#### Ontario Hospital, London

Construction of a new 500 KW diesel generator plant for auxiliary power is well advanced. The building is an addition to the electrical distribution building.

A new water reservoir was completed, covered with earth fill, and connecting lines were run to the power house.

Exteriors of approximately 60% of the hospital buildings were painted before the programme was suspended for cold weather. The north building, nurses' residence, east cottage, examination building, stores building, annex No. 2, fire hall, and north doctor's residence were completed.

Extensive improvements were made to the north building. Two reinforced concrete stairs, with mastic treads and steel handrails, were



Interior View showing Equipment of the New Laundry Building, Ontario Hospital  
KINGSTON

erected in the men's and women's sections. New concrete and mastic tile floors were laid in Wards 1 and 2. The heating system was renovated, and electrical wiring and fixtures renewed. New linoleum was laid in Ward 4, and plaster work repaired and painted.

Construction of a loading platform, and installation of an elevator at the hospital stores building, were completed. New storage racks were built.

Roofs of chicken coops, brooder house and root house were repaired and shingled.

A new passenger elevator was installed in the admittance building.

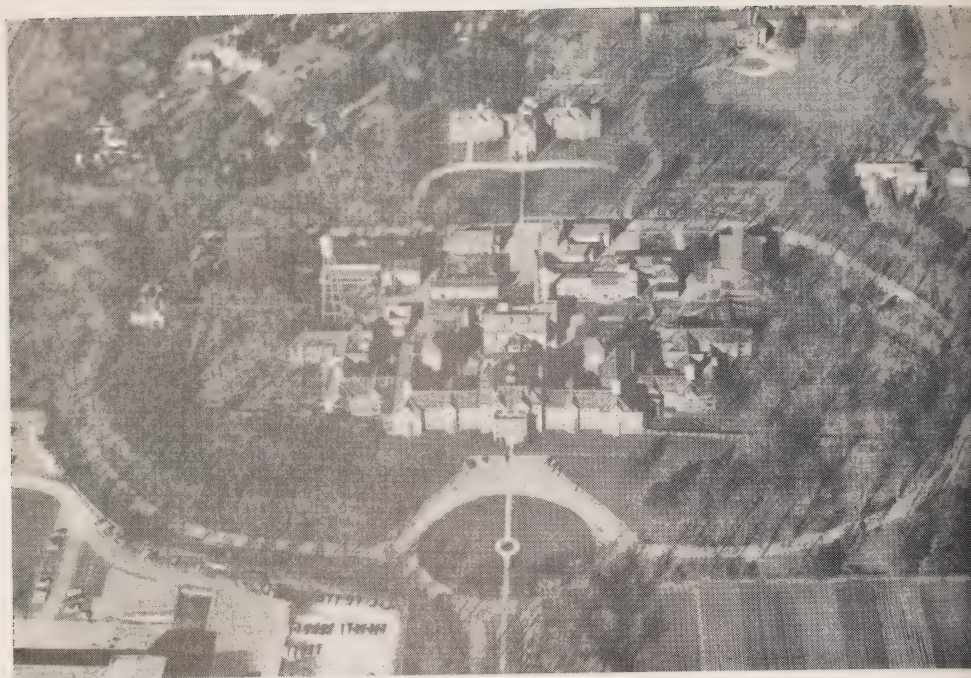
Three new food elevators were installed in the main building. The 8" brick wall around three sides of the detention court at the west end of the main building was rebuilt on new footings, and the shelter around the northerly and easterly walls of the court was replaced by a new structure with asphalt roofing supported on steel posts.

New steel fire exits were erected to Wards 3 and 5.

New water and steam lines were laid through the tunnels from the power house to the main building.

An extension to the kitchen section was built, and new equipment was installed.





Aerial View of the Ontario Hospital  
LONDON

At east cottage the plumbing and electrical services were renovated, and the wooden floor was replaced with tile on concrete.

Bathrooms and plumbing in the nurses' residence were renovated.

Roofing repairs are being made on various buildings.

### **Ontario Hospital, New Toronto**

#### **Additions and Alterations to Central Building**

##### **Food Service Area**

Demolition work was completed, as described in the previous year's Report, and construction was started on additions and alterations to the central building.

A one-storey portion of the old structure was demolished to first floor level; a two and three-storey section was reduced to second floor level; and a one-storey structure, approximately 100 feet by 200 feet, is under construction to provide a new kitchen.

Foundation walls have all been poured and strapped and concrete floor slabs for the southerly and westerly sections were poured and forming is in process on the remainder of the floor. Erection of first floor steel was completed and some of the roof steel erected. Erection of brickwork is in progress and the work of the mechanical trades is in pace with the work of the general contractor.





View showing Early Construction Progress on the Additions and Alterations to the Central Building, Ontario Hospital

NEW TORONTO

### General

A concrete breakwater, fifty feet long, two feet wide and seven feet high, was constructed to extend the sea wall at the shore line. Back-filling of the sea wall was completed.

Work progresses on the fireproofing of No. 1 cottage. The wooden floors of this 2½-storey brick building are being replaced with steel and concrete floors.

Extensive plaster repairs were made in the basement section of cottage "E."

### North Bay — Health Clinic

The old plaster ceiling in the doctor's office was replaced with gyproc and the room painted.

An old unused chimney was capped and loose brickwork repaired.

### Ontario Hospital, North Bay

The new Ontario Hospital at North Bay was officially opened to the public on Tuesday, October 15, 1957, when Mr. Nimmo Mitchell, Director of Publicity for the Department of Public Works, deputized for



Aerial View of the Ontario Hospital  
NORTH BAY

the Hon. William Griesinger, Minister of Public Works, and presented the symbolic Official Opening Key to Dr. B. H. McNeel, Chief of the Mental Health Division of the Department of Health, who was deputizing for the Hon. Mackinnon Phillips, Minister of Health. Approximately 2,700 people were in attendance at these ceremonies. Admission of patients began on October 22, and by the end of the year the hospital was operating at approximately 80% capacity.

All contracts in connection with the construction of the first twelve buildings of this project were completed during the latter half of 1957, and comprised two male pavilions, two female pavilions, kitchen and office building, administration building, nurses' residence, laundry building, power house, reservoir and pumping station, well site pumping station and sewage disposal plant building.

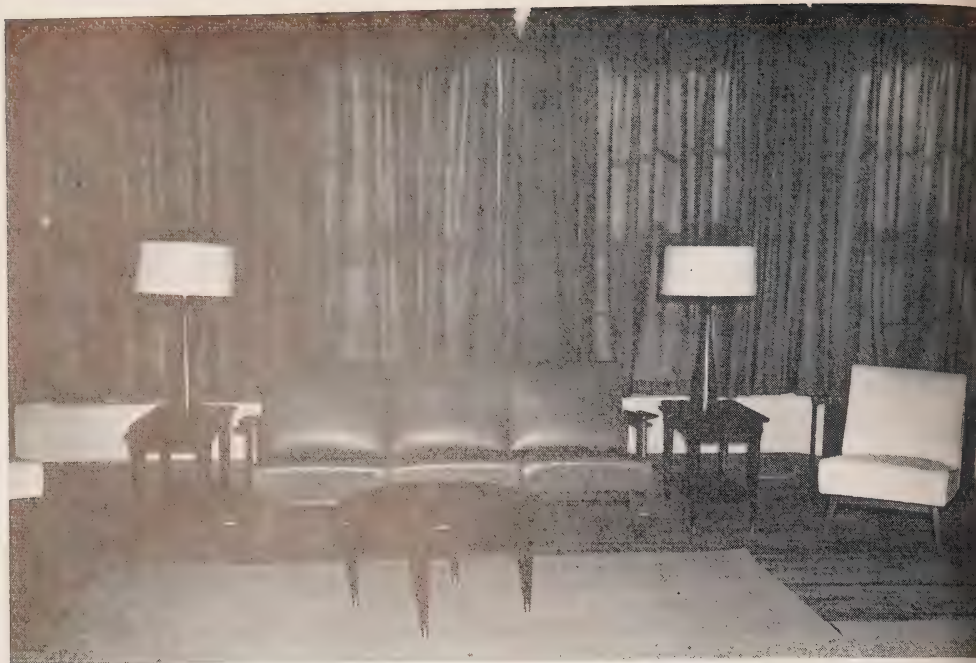
Sewage and water facilities were put into operation and are meeting requirements. A 50,000-gallon elevated steel water tower was erected during August and September. Gravel surfaced roads were constructed to serve all active areas. Final grading and placing of top soil is approximately 75% completed, terminating in late November due to frost conditions. Temporary street lighting was installed from the administration building to the kitchen and office building.





View of the Medical Superintendent's Office in the New Administration Building, Ontario Hospital  
NORTH BAY





View of the Recreation Room in the Nurses' Residence, Ontario Hospital  
NORTH BAY



Sectional View of the Library in the Administration Building, Ontario Hospital  
NORTH BAY



Sectional View of a Nurse's Room, Ontario Hospital  
NORTH BAY



View of the Staff Cafeteria, Ontario Hospital  
NORTH BAY





View of a Typical Ward, Ontario Hospital  
NORTH BAY



View of a Recreation Room, Ontario Hospital  
NORTH BAY





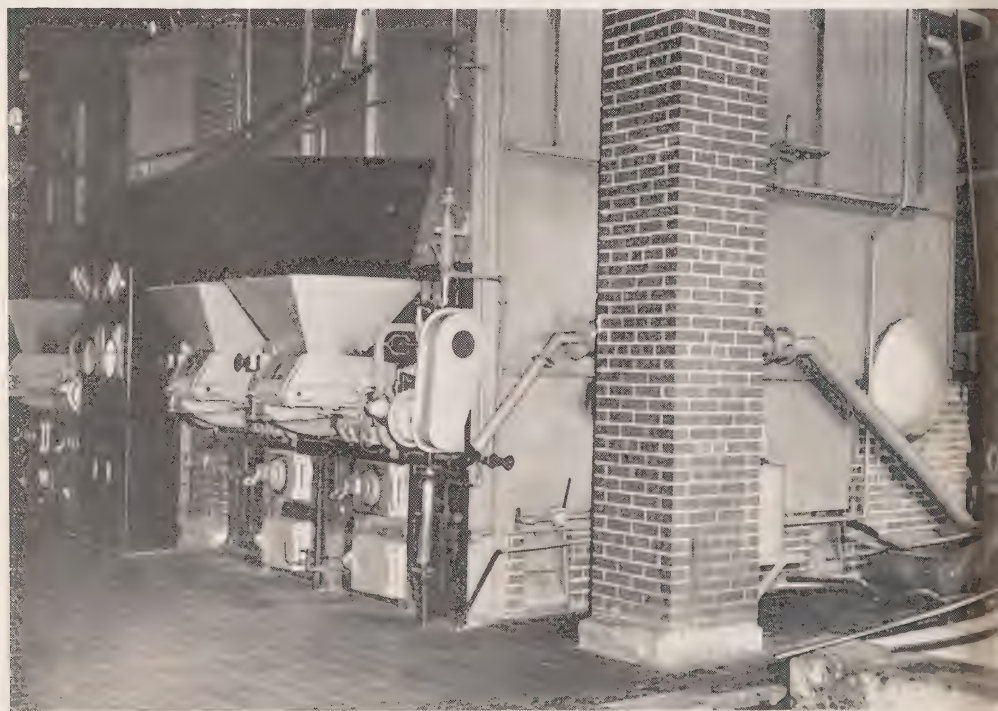
View of a Shower Room, Ontario Hospital  
NORTH BAY



View of the Laundry, Ontario Hospital  
NORTH BAY



View of the Kitchen, Ontario Hospital  
NORTH BAY



A Sectional View of the Power House, Ontario Hospital  
NORTH BAY

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

### Laboratory Building (New)

Construction of a new regional laboratory building to serve the needs of this Ontario Hospital and the area surrounding North Bay, commenced with the preparation of the site early in 1958.

The building will be approximately 50 feet by 114 feet in dimensions, and is to be located on the site between pavilion M-2 and the laundry building, and to the north of pavilion M-3. It will consist of an occupied basement and one storey. Construction will be of reinforced concrete with stone trim and metal windows, and the structure will be fireproof throughout. Ceilings will be of plaster and the walls mostly of plaster with some glazed tile. Floors and base will be of terrazzo, and the roof of bonded built-up construction.

The basement will be occupied by various laboratories and directors' offices. Laboratories will comprise bacteriology, serology, T.B. cultures and a special chemistry laboratory. It will also contain waiting rooms, a mechanical room, washrooms and shipping area.

The first floor will consist of various laboratories comprising biochemistry and haematology, animal room and autopsy, a large stock room, washrooms, locker rooms and a staff room.

Erection of masonry walls is continuing and is approximately 25% completed with approximately 40% of reinforcing steel set and approximately 40% of structural floors in. Roughing in of plumbing is approximately 30% completed.

### General

The heating tunnel between the administration building and the nurses' residence was completed and transmission lines installed. Temporary steam lines leading from the kitchen and office building to the administration building were completed.

A reservoir pump house plant and equipment, and a well site pump house, were completed and put into operation. An elevated water tank was erected and satisfactory tests carried out.

A new sewage disposal plant was placed in service.

Grading and landscaping operations were carried forward.

### Ontario Hospital School, Orillia

#### Administration Building

In furtherance of the fireproofing programme work progressed during the year in the superintendent's, doctors' and executive offices. The work consisted of replacing wood floors with precast concrete slabs and terrazzo on steel joists. Fireproofing in these offices, and in the basement, was completed and the offices painted, refurnished and occupied. During February the upper portion of the building was vacated by the living-in tenants to permit continuance of the fireproofing programme.





View showing the Rise of Grade, West of No. 2 Entrance to the Tunnel at the New Power House  
Ontario Hospital

ORILLIA

### Power House

Construction work on a new power house, commenced early in 1957, was carried forward during the year. Exterior brickwork was completed to roof height and is continuing on the filling in under the steel beams on the interior of main walls. Erection of interior partitions between the boiler room, maintenance room, pump room and offices, pointing up around windows and general finishing is in progress with plumbing in pace with the general contract. Finish floor is being laid in the tunnel, which is substantially completed. Approximately 800 feet of 8" steam main, and 800 feet of 6" summer steam pipe, with expansion joists, and 800 feet of return pipe, are in position in the tunnel, and work on electrical manholes progresses.

### General

The diet kitchen and servery area of the boys' and girls' hospital was prepared and installation of equipment, including tables to the dishwashing machine, and plumbing, was completed.

Fire damage in cottage "M" dining room, servery and kitchen was repaired. The dining room was placed back in service on December 16 and tables, chairs and servery equipment were installed.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

Extension of the fire alarm system to all buildings progressed.

Repair work and painting of the overhead water tank was completed.

Fans were installed in the new heifer barn, which is now in use.

Emergency repairs were carried out when a water main burst outside the reception building of the new dormitory group. Replacement of the broken sewer, and screen chambers, was completed and work commenced on an emergency pipe line to the lake to serve in case of a breakdown in the Orillia town disposal system.

Paving of the hospital roads was completed.

Slating and eavestroughing repairs were made on some of the older buildings.

The milk room can-washing installation was completed.

Extension of the litter carriers at the dairy barn was completed.

A water main leading to the boys' and girls' hospital was repaired.

### **Ontario Hospital, Penetanguishene**

#### **Criminally Insane Building (Addition)**

Corner Stone Laying Ceremonies were conducted on Wednesday, November 6, 1957, at this new extension to the Criminally Insane Building at the Ontario Hospital, Penetanguishene. Approximately 900 people were present at the ceremonies when Mr. Lloyd Letherby, M.P.P. for Simcoe East, assisted by the Hon. Mackinnon Phillips, Minister of Health, the Hon. William Griesinger, Minister of Public Works, and Mr. George G. Johnston, M.P.P. for Simcoe Centre, officiated at the laying of the corner stone.

At the end of the fiscal year overall construction of the project was approximately 60%, and installation of outside services approximately 90%.

#### **General**

Installation of the TV tower, and four-channel distribution system to the various buildings, was completed.

Construction of a one-storey solarium addition to cottage "A" was completed.

Construction of the new sewage disposal plant is approximately 85% completed.

A programme of repair and painting for all farm buildings is in progress.

Defective water main between the pumps and elevated tank, a distance of 480 feet, was replaced.

Construction of a transformer room for the main kitchen is under way.

Installation of expansion joints in the high pressure steam lines for the main heating system continues.

Plumbing in the main building was renovated.

A new flatware ironer was installed in the laundry.

Installation of new domestic pumps is under way.

## **Ontario Hospital, Port Arthur**

### **General**

Alterations and renovations were carried out at the southerly half of the basement in the administration building to provide accommodation for the new out-patients' clinic, and furniture and equipment were installed.

A new receiving room at the laundry building was constructed, and put into use.

Installation of a new ventilating unit for the kitchen and reception building progresses.

Concrete curbs were placed, and paving of driveways to the front of the administration building and to the rear of the kitchen and reception building, was completed. A parking space adjacent to Algoma Street was gravelled.

Work was completed on the windscreen and unloading platform extension at the rear of the kitchen and reception building.

The new emergency 8" steam lines were substantially completed and placed in operation. The line runs between the power house and pavilion F-1, a distance of approximately 1,000 feet.

A new diesel generator was installed. New underground feeder ducts were laid from the new transformer building to the laundry to permit completion of the new electric switchboard installation.

Shelving was installed in the stores rooms in pavilions M-1 and M-2.

Repointing of stonework on the three original buildings and the administration building was substantially completed.

Plywood shelving was constructed in storage rooms, and two bath tubs were installed in pavilions M-1 and F-1. New drains were installed in stainless steel tops under additional coffee urns in all four pavilions.

## **Sarnia — Water Testing Laboratory**

Construction work on the conversion of a former Lands and Forests fish hatchery building to serve as a water testing laboratory for the Department of Health, was completed.



# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

## Ontario Hospital, St. Thomas

### Power House (Addition)

An addition to the power house is under construction to provide accommodation for an emergency generator plant for the hospital. The building will be of concrete, brick and stone construction, approximately 25'6" by 51'3", with combination concrete and tile roof slab supported on structural steel beams and walls. The roof is 20-year bonded felt and gravel on two inches of insulation.

Brick and stone work for the addition was completed and a fuel tank and catch basin installed. Formwork was completed for the diesel generator, the base poured, with work continuing on the tunnel, and backfill completed. Forming for the roof slab commenced.

### General

Extensive alterations to the basement of the administration building were completed to provide ten new offices and washrooms. Plastering, painting and installation of electrical fixtures were completed.

The roof was re-shingled and new drain connections installed at the Patton residence.

59 metal clothes lockers were installed.

5,000 feet of fly screens were purchased.

Fabrication of handrails for the infirmary ward was completed and installation commenced.

Excavation work for renovation to the tunnel wall was completed, and waterproofing is nearing completion. Repairs to the tunnel expansion joints were completed except for some backfill.

Work continued on the replacement of old return steam lines, and pipe covering is being renewed.

## Ontario Hospital School, Smiths Falls

### Group "A" Buildings

All work on the addition of a new wheel chair ramp for patients on the easterly side of pavilion F-3 was completed and the pavilion handed over to the Department of Health for occupancy.

Work was completed in the female pavilions on the repair and replacement of defective aluminum conduit, and the installation of the fire alarm system carried out in conjunction with these repairs, was also completed, and the sections returned to the Department of Health for occupancy.

Repairs were made to the roof of pavilion M-3.

Work commenced on the replacement of outmoded plumbing fixtures in group "A" buildings.

#### Group "A-1" Buildings

Work on the garbage refrigerator and can wash addition to the service building was completed.

Defective aluminum conduit was repaired and replaced.

New electrical connections were made for recently installed equipment in the bakery, and motors were rewound to conform to available power supply.

Installation of the fire alarm system in the service building was completed.

Steps were constructed to give access to the garbage refrigerator addition from the mechanical room.

#### Group "A-2" Buildings

Work progressed on the fire alarm system, which is nearing completion, and affected walls were replastered and painted.

#### Group "A-3" Buildings

Installation of the fire alarm system is nearing completion.

A new concrete roof covering was laid on the existing quarry tile roof of the corridor connecting Group "A-3" with group "A-5" buildings.

Some adjustments were made to the ventilating system, window fasteners were repaired, and screens installed on the beauty parlour windows.

#### Group "A-4" Buildings

The new deep well pump for auxiliary water supply was installed, tested, and placed in service.

Repairs were made to the wall of the basement tunnel between "A-4" and "A-5" buildings to prevent water seepage.

Hot water storage tanks in the laundry were lined with a stone type preservative and exposed piping was re-covered.

Laundry ceilings were replastered following fire alarm installations.

#### Group "A-5" Buildings

The air conditioning system for the operating theatre was completed, and following adjustments, placed in service.

Temporary repairs were made to the roof of the female infants' ward, and interior walls affected by moisture repainted.

The hot water storage tank in the central mechanical room was lined with a stone type preservative, and exposed piping re-covered.

#### Group "A-6" Buildings

A new heavy duty sump pump was installed in the mechanical room.

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

## Group "A-8" Buildings

Adjustments were made to the fire alarm system and repairs made to the plumbing system.

## Group "A-9" Buildings

A new system of stage lighting was installed in the auditorium. Stage curtains and screen were moved to accommodate overhead lights, the stage floor was extended to accommodate footlights and the dimmer panel checked to provide control.

Sections of the north-south corridor wall in the auditorium were cleaned of defective paint surfaces and repainted, and some walls in the school were repainted.

Roof leaks over the auditorium and gymnasium were repaired.

## General

Gravel roads leading into and around the hospital buildings were periodically graded and maintained.

Temporary buildings of the Department of Public Works were improved against winter conditions. Areas occupied by Department of Public Works were cleaned up, grass mowed and debris removed.

Concrete ramps in groups "A-2" and "A-5" buildings were extended to facilitate movement of beds and wheel chairs.

Approximately 2,100 feet of new fencing was completed along the southerly boundary of recently acquired property.

Emergency repairs were made in conjunction with the Smiths Falls Waterworks Department on the 10" water supply main.

Some washroom fixtures were replaced and the walls repaired in the administration building.

Patients' washrooms in the recreational areas were completed and turned over to the Department of Health.

Sanitary and storm sewers were repaired.

## Ontario Hospital, Toronto (999 Queen Street West)

The programme of work remodelling washrooms on all floors of the old main building was continued in the west wing, involving masonry alterations, renewal of plumbing and fixtures, plaster and tile.

Repainting of exterior masonry continued. Window sash and frames were repaired and 307 new screens were installed on the old main building.

The old 285-foot long tunnel way leading from the old main building to the kitchen area was demolished and replaced with a new concrete block structure with new roof and new doors and windows throughout.



All kitchen elevator doors were relocated to conform to safety regulations.

An air conditioning unit was installed in the doctors' observation room in the out-patients' department.

Repairs were made to the Queen Street West boundary wall.

A new greenhouse, approximately 78 feet by 18 feet, was constructed and equipped. The building is attached to the gardener's house.

### **Ontario Hospital, Toronto (Thistletown Division)**

Hospital buildings at Thistletown, formerly maintained by the Toronto Sick Children's Hospital, were taken over by the Department of Health for use, after renovation, as a mental hospital for the care and treatment of juvenile patients. The property includes a large main building, power house, and vehicle garage. Renovation work in the main building was concentrated on 60 rooms on three floors in the front portion, which section was taken over by the Department of Health on January 15, 1958, and occupied by the administration staff and some patients.

The work carried out involved the complete redecorating of the 60 rooms, renovation of adequate washroom accommodation, and fire exits, and provision for a complete temporary kitchen, staff dining room and patients' dining room. To provide water service to the occupants, approximately 250 feet of 8" main was installed.

The power house consists of two storeys and basement, with living quarters for the engineer on the roof level. The boilers were completely overhauled.

The brick garage is approximately 68 feet by 48 feet.

Renovation work is approximately 75% completed and is proceeding in the main building.

### **Psychiatric Hospital, Toronto**

The one-storey addition to the boiler room, mentioned in the previous year's Report, was completed and equipped for food storage. Food storage bins were constructed.

Alterations were carried out to provide added washroom accommodations on the first, second and third floors of the main building.

Exterior sash and trim of the former church building housing the day patients' department were painted. The interior renovation programme was completed.

### **Ontario Hospital, Whitby**

Work commenced early in 1958 on the construction of several additions to the reception building and male and female wings, that will add ward and insulin treatment accommodation for 56 patients, and required space for doctors' and administrative offices.

Five one-storey wings are being added to the reception building. A large centre wing to the south, designated "C" and "D," will accommodate

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

the administration offices and doctors' offices. Two wings to the east will house additional beds and treatment facilities for women, designated "E" and "F" wings, and will be duplicated by "A" and "B" wings to the west, for the men's section. In addition there are male and female sunroom additions, and connected to the rear of female wing "F," a transformer wing.

The administration wing contains a main lobby and waiting rooms, accounts office, stenographers' room, offices for the business administration, medical superintendent and assistant medical superintendent, 31 offices for doctors examining patients, pharmacy for the entire hospital, medical library, conference room, record room, and locker rooms for men and women.

The patient areas are the same for men and women. Wings "A" and "F" each have patient bed accommodation for 28, day and sun rooms, utility rooms, pantry, clothing stores and washrooms.

The treatment areas, wings "B" and "E," contain electroencephalography and insulin therapy rooms, sunrooms, utility rooms and doctors' offices.

A drainage project, preceding the start of construction, was carried out.

Considerable improvement and maintenance work was performed on existing buildings and service installations.

New equipment was installed in the transformer room addition to the power house, and work continued on the underground distribution system carrying the primary cables to outlying transformer vaults. The programme of rewiring the buildings and installing new lighting fixtures was continued. The junior and senior nurses' residences and the men's and women's pavilions were rewired, and all new lighting fixtures were installed in the men's and women's pavilions.

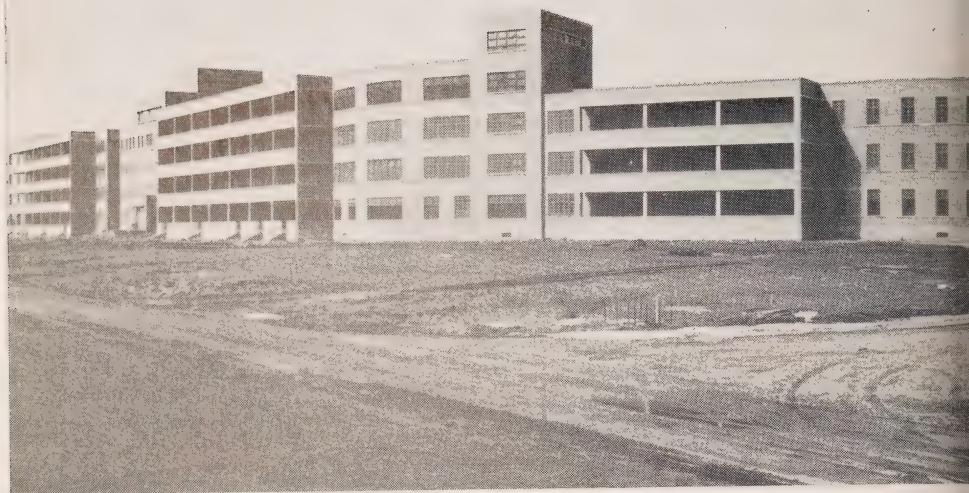
A new freight elevator was installed from the basement to first floor in the stores section.

A deep freeze refrigerator was installed.

A stone and gravel filled protection wall was built along 1,000 feet of shore line in front of the administration building and pre-engineering work for further shore protection works was undertaken.

Rehabilitation of the storm and sanitary sewer systems showed considerable progress. The project includes the rebuilding of 900 feet of sanitary sewers, 40 catch basins, 8 manholes, sewage disposal plant, and the storm sewer system, with new pump house in the north-east section of the hospital area. Work on the storm sewer system is nearing completion, and on the sanitary system is approximately 60% completed.

The continuing programme of work for the replacement of all steam and hot water lines serving buildings in the main hospital group is approximately 50% completed. The installation of new expansion joints on the main steam lines in the cross tunnels is approximately 75% completed.



View showing Advanced Construction Progress of the New 560-Bed Unit,  
Epileptic Division, Ontario Hospital  
WOODSTOCK

The plumbing in the men's pavilion was renovated, and new fixtures were installed.

Water lines to the farm buildings were replaced with new copper piping.

Renovation work at the piggery included construction of new floors, troughs and drains.

## **Ontario Hospital, Woodstock**

### **CHEST DISEASES DIVISION**

#### **Active Treatment Wing**

Construction work on this building, first started in September, 1955, was brought to substantial completion in March, 1958. Kitchen, servery and hospital equipment is in course of installation, and wards and offices are ready to receive furnishings and equipment.

### **EPILEPTIC DIVISION**

#### **Power House**

Construction work continued on the enlargement of the power house necessitated by the increased requirements of the new 560-bed unit of the Chest Diseases Division.



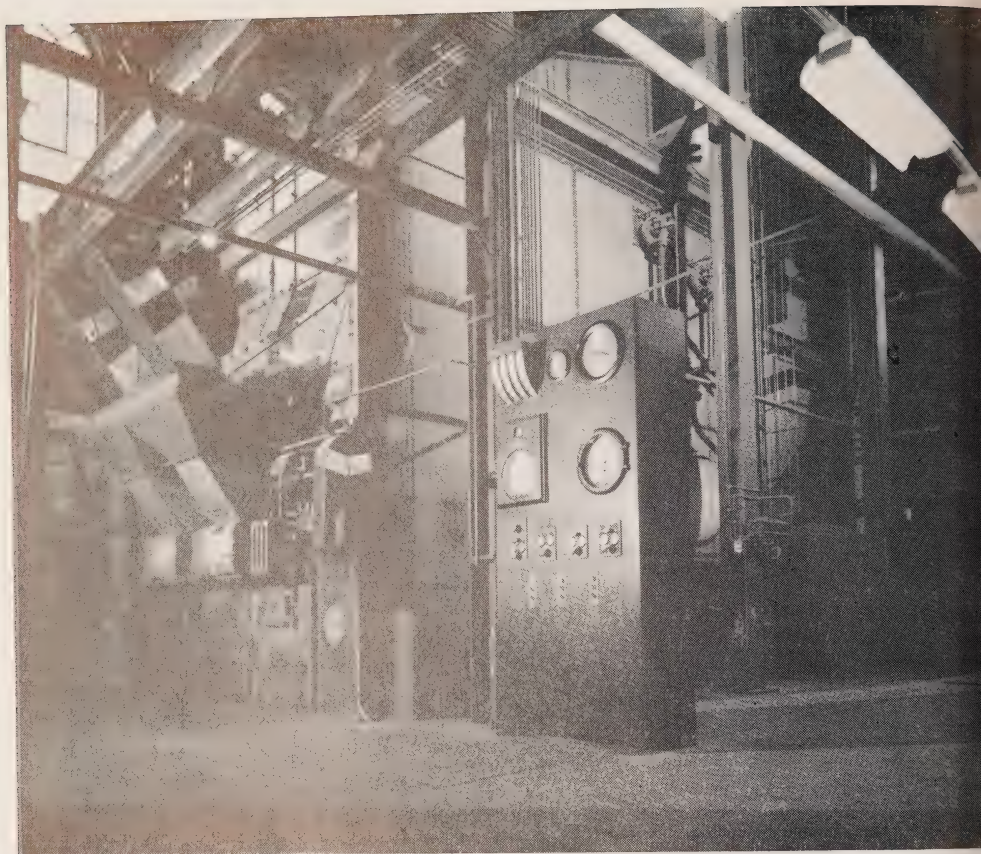


View of the Newly Constructed Addition to the Power House, Ontario Hospital  
WOODSTOCK

Installation of lighting and fixtures, except those in the coal bunker, was completed. Plumbing was completed and the chemical feed line system hooked up and the blow-down tank replaced. Work continued on the fabrication of the new 8" steam line under the dining hall section, epileptic division, and commencement was made on replacing old expansion joints on the existing line to the T.B. unit. Finishing steps were made as far as possible and painting progresses on all interior piping, tanks and steel work.

#### **Pasteurization Building**

Attached to the existing kitchen, and under construction to accommodate pasteurizing equipment above grade, this building is nearing structural completion. Quarry tile was laid in the corridor and cold storage rooms; and all the wall quarry tile, and brown and putty coats of plaster, were completed and most of the doors hung. Lighting fixtures were installed, plumbing and heating lines roughed in and the transformer vault in the basement completed.



Interior View of the New Boiler Room showing the Control Panel, Coal Hoppers, Ash Trench  
and New Boiler, Ontario Hospital  
WOODSTOCK

#### **Trades Building**

This building is substantially completed. Installation of bins and shelving in the basement was completed and most of the special equipment is installed with work proceeding on installation of heating controls, painting conduit and fabrication of louvres and doors.

#### **FARM BUILDINGS**

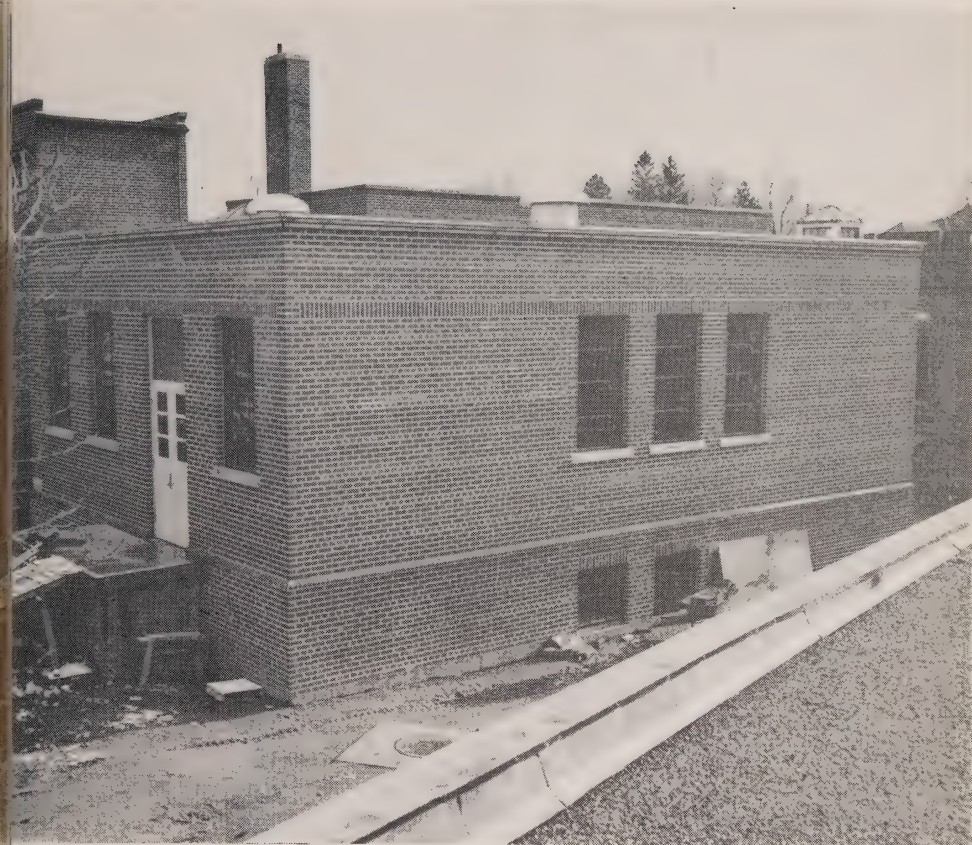
##### **New Piggery — Deller Farm**

A new brick and concrete piggery at the Deller Farm reached a well advanced stage of construction.

##### **New Root House — Deller Farm**

Excavation was completed, and footings poured, for the erection of a new root house. The building will be of brick and structural steel frame construction.





View showing Advanced Construction Progress of the New Pasteurization Building,  
Ontario Hospital  
WOODSTOCK

#### General

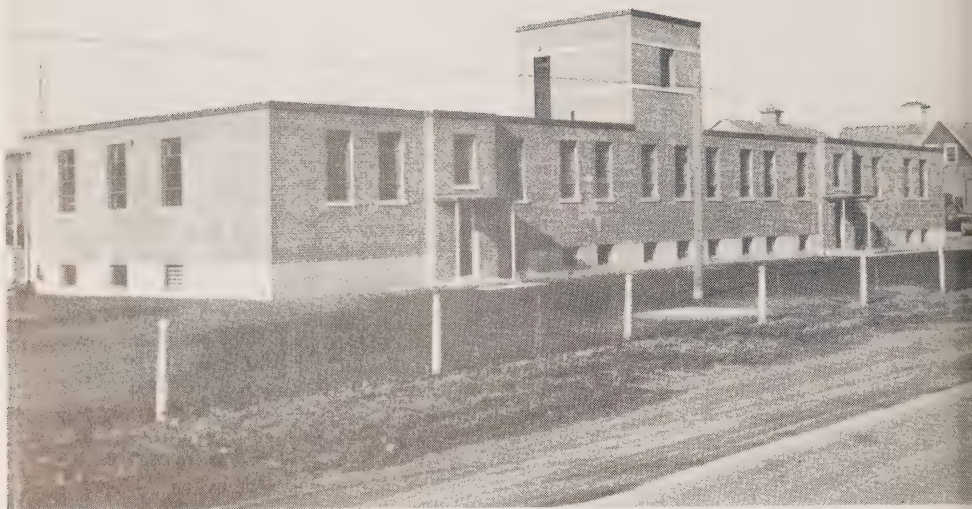
Considerable progress was made on the renovation and extension of the electrical distribution system. The new main transformer was installed and outlying transformer vaults equipped; underground duct was placed and conduit installed and landscaping carried out on the electrical line leading to the chest diseases division, and the administration and epileptic division areas. High voltage cables were completed and sliced to include manhole "J2," potheads were installed in various vaults, and main cables were installed and connected from the 1,000 KVA transformer to the main switchboard, and the main substation completed.

The new water line was completed from the barn area to the new piggery building.

New cooking units were placed in the kitchen of the T.B. unit.

Deteriorated plumbing fixtures in cottages "E," "F," "5A" and "5B" were replaced.





View showing Advanced Construction Progress of the New Trades Building,  
Epileptic Division, Ontario Hospital  
WOODSTOCK



View showing Construction Progress of the New Piggery at the Deller Farm, Ontario Hospital  
WOODSTOCK

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

Brickwork on the laundry building was repointed and the steps repaired.

In furtherance of the fire protection programme, louvres were installed at cottages 1, 2, "A" and "B," following roof alterations.

Work on the water line to the engineer's house and the greenhouse was completed.

A storage shed was erected for the use of plumbers and steam-fitters, at the chest diseases division, and equipped with shelves and bins.

The stables in the Goble Farm barn were completed.

Areas around the roadside and sidewalks were landscaped.

## For The

# DEPARTMENT OF HIGHWAYS

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Co-operation was given to the Department of Highways in the matter of preparing working drawings, specifications and sketches for new or alteration work, and in the preparation of studies for development of future projects.

The extensive building programme instituted for the Department of Highways in the Fall of 1955, and designed to extend over a period of years, proceeded with unabated vigour with many buildings brought to completion. A full description of this programme was contained in the Report for the year 1956. Construction work on the various projects progressed as follows:

### Arthur

Erection of a 5-bay patrol storage garage, commenced in August, 1956, was brought to completion in this fiscal year.

### Bancroft

The 7-bay office building, construction of which was mentioned in last year's Report, was completed.

Construction commenced in May, 1957, on a standard plan 14-bay Divisional Garage on property adjoining the existing storage garage, and the new office building. Overall completion of this project is approximately 70%.

### Beardmore

A water supply was obtained and a septic tank disposal field constructed.

### Beaverton

A furnace was installed, and drainage and grading work carried out at the new 4-bay patrol storage garage which was mentioned as completed in the previous year's Report.

### Chatham

Erection of a standard plan 14-bay Divisional Garage at a location just west of Chatham on Highway No. 2, was completed in January of this year.

The 9-bay heated storage building also under construction was completed during the latter part of 1957.

Construction work on the 5-bay patrol storage garage, at the junction of Highway 401 and the Belle River Road, was completed early in 1957 and occupied by the Department of Highways.





View showing Construction Progress of the New 14-Bay Divisional Garage  
BANCROFT



The New Four-Bay Patrol Storage Garage  
BEAVERTON



View of the Recently Constructed 9-Bay Heated Storage Building for the Department of Highway  
CHATHAM

#### Cochrane

All construction work on the 7-bay office building was completed in July, 1957. The adjacent 9-bay heated storage building, reported substantially complete in the previous year's Report, was painted.

#### Coldwater

The exterior of the newly completed 4-bay patrol storage garage was painted.

#### Ear Falls

Construction work on a 4-bay patrol storage garage is progressing rapidly. The building is completely enclosed and heated and the work of the mechanical trades is well advanced.

#### Goderich

Construction work on a 5-bay patrol storage garage, substantially completed in the previous fiscal year, was concluded. A pump house was completed and a line run to the garage for a water supply to the building.

#### Hearst

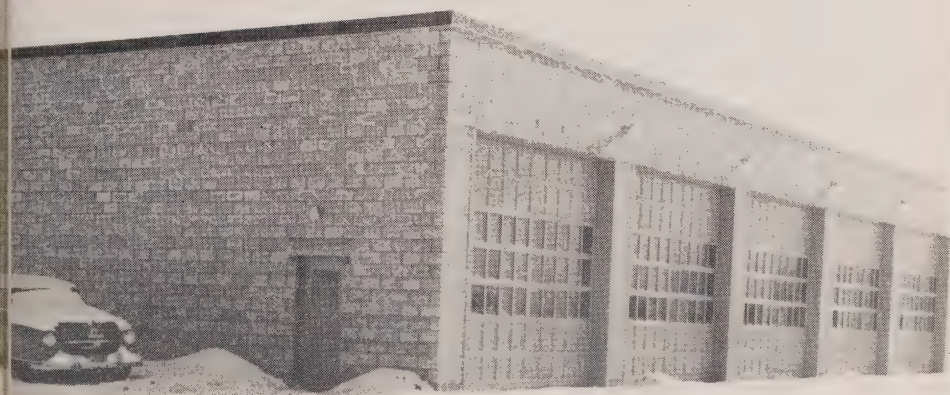
A 5-bay patrol storage garage was erected.

#### Huntsville

A new 14-bay Divisional Garage, described in the previous year's Report, was completed and occupied.

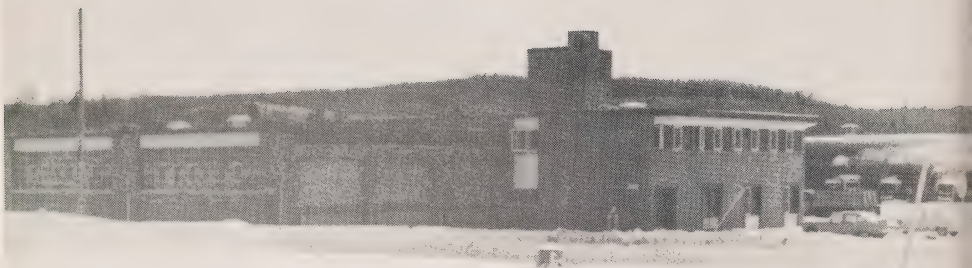


The New 7-Bay Office Building Constructed for the Department of Highways  
COCHRANE



The New 5-Bay Heated Patrol Storage Garage for the Department of Highways  
HEARST





View of the New 14-Bay Divisional Garage for the Department of Highways  
HUNTSVILLE

#### Kenora

Construction of a standard plan 14-bay Divisional Garage was completed and turned over to the Department of Highways.

#### Kingston

Excavation for a new 9-bay heated storage building commenced, and construction work proceeded as follows:

Erection of exterior walls progressed to completion and work is proceeding on the construction of the roof deck.

In September, 1957, work also commenced on the construction of a 14-bay Divisional Garage at this same location, with exterior walls completed, precast roof slabs placed and overhead doors installed, and roughing in of the mechanical services at a well advanced level.

#### Marathon

Erection of a 4-bay patrol storage garage is under way at this site. Masonry walls are completed and the placing of laminated wood roof deck progresses.

#### Mattawa

Interior painting of the newly constructed 4-bay patrol storage garage, mentioned substantially completed in the Report of the previous fiscal year, was completed.

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

## **Morrisburg**

Construction work is nearing completion on the addition of a 17-foot by 42-foot addition to the south end of the 5-bay patrol storage garage reported substantially completed in January, 1957. The new addition provides office and storage space for the new building.

## **Ottawa**

Erection of a 14-bay Divisional Garage, commenced in February, 1957, was brought to completion, and occupied. A 9-bay heated storage building, construction of which started at the same time as the Divisional Garage, was completed in November, 1957.

## **Peterborough**

In November, 1957, construction of a standard plan 5-bay patrol storage garage commenced at the junction of Highways 115 and 28, nine miles south of Peterborough. Work is well advanced with exterior brick-work completed, the asphalt roof applied, plumbing services completed and electrical roughing in under way.

## **Port Hope**

Construction work commenced in November, 1957, on a one-storey and basement addition to the Department of Highways office building at Port Hope. Construction is well advanced and when completed will provide an additional 3,500 square feet of office space on the first floor with the basement area accommodating a blueprint room, storage for files, and a lunch room. The new addition will be of fireproof construction throughout.

## **Red Lake**

Erection of the structural steel frame was completed and masonry work is under way for the construction of a standard plan 3-bay patrol storage garage, located at the junction of Highways 105 and 125.

## **Sudbury (McFarlane Lake)**

Four Highways buildings were included in a programme of considerable building activity undertaken on Highway 69, near McFarlane Lake, in the Sudbury area. Excavation was started in June for a divisional equipment garage, a heated storage building, and an unheated storage building, and in October, for a nine-bay office building. All are being built to standard Highways plans. The two storage buildings are substantially completed, and exterior masonry for the other two buildings is well advanced.

## **Woodstock**

A pump house for the new 5-bay patrol storage garage at Highway 401 and Sweaburg Road, reported as completed in the previous fiscal year, was painted. Backfilling along the water line trench at the rear of the garage was carried out.

## **Downsview**

### **Central Stores Building Addition**

A new addition to the Central Stores Building is under construction. The new wing, approximately 113'6" by 81'2", is two storeys in height with full basement, and connected to a complete second floor area consisting of the addition of another storey to the one-storey portion of the existing building, and of similar construction. The dimensions of the second floor addition are 185'5" by 87'2". Additional office space for the Central Stores staff will be provided. The last two column pads at the north end of the excavation were poured and columns are being erected.

### **No. 6 Division Garage Extension**

Construction of an addition now nearing completion, adds twelve bays to No. 6 Division Garage. The new extension, approximately 93 feet by 110 feet, is of similar construction to the existing garage, with 13-inch masonry walls consisting of 8-inch concrete block with brick veneer.

Exterior masonry and roof are completed.

### **Storage Building Addition**

Construction of an addition to the Storage building, commenced in August, is well advanced. The new addition, to house machine shop and office, is approximately 36 feet by 46 feet, with the machine shop located in the easterly section, and a mezzanine floor in the westerly portion to provide the office space required. Heating, plumbing and electrical services are being installed. Exterior masonry and roof slabs are completed and roofing is under way. Structural steel for the mezzanine floor is erected.

### **General**

Grading and sodding was completed in the areas fronting the Central Stores and No. 6 Division Garage buildings.



## For The

# DEPARTMENT OF LANDS AND FORESTS

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### **Algonquin Park**

The exteriors of the lounge and museum buildings at the West Gate were cleaned and painted. Lighting service in the museum display cases was renewed.

Preliminary work was undertaken for establishment of a car park at the East Gate entrance on Highway 60.

### **Codrington**

A well was drilled to provide water supply. A pump house was constructed, and a pump installed and connected to the service lines.

A six-room frame bungalow, with basement, was constructed for the Manager of the Codrington Fish Hatchery, and work on a second residence, for the Supervisor of the Bird Farm, is well advanced.

### **Fort Frances — District Office Building**

Commenced in April, 1957, a new District Office Building on Scott Street, Fort Frances, was completed and occupied March 15th, 1958. Built to a standard plan, the building is similar to that recently completed for the Department of Lands and Forests at Kapuskasing. It is approximately 40 feet by 80 feet, consisting of two storeys and full basement, served by two staircases, and provision is made structurally for the addition of a future third floor. It is of fire-resistant construction throughout. A paved parking area provides space for 22 cars, with plugs for block heaters for all staff cars. Construction is of load-bearing masonry, with exterior walls of brick with stone trim. Terrazzo finish was used in all corridors and public spaces, and rubber tile in the offices, except in the basement, where asphalt tile was used. The roof is insulated 20-year bond tar and gravel.

### **Gogama — Chief Ranger's Station**

Installation of street lighting was completed at the Station.

### **Kapuskasing — District Office Building**

Office furniture and equipment was installed early in this fiscal year in the new District Office Building, mention of which was made in the previous year's Report.

### **Kemptville — Hon. G. Howard Ferguson Nursery**

A new double flue chimney was constructed at the forest station.

## Maple — Southern Research Station

Excavation was started in April, 1957, for the construction of new Administration Offices and Radio Workshop Building for the Department of Lands and Forests at Maple. Steady building progress was maintained, and by the end of the fiscal year all exterior brickwork and roofing were completed and plastering and installation of acoustical ceilings were nearing completion.

The structure consists of a main section approximately 114 feet by 52 feet, with a rear extension 33 feet by 38 feet. The main portion has a basement and a ground floor over the main area while the extension at the rear consists of basement, ground floor and second floor.

Construction generally is of flat concrete with the exterior walls faced in brick bonded into 8-inch tile backing. Sill courses and exterior cut stone work is of Queenston limestone and interior walls have 2-inch split furring tile facing to which plaster is applied on the main and second floors. The main floor office area and the second floor has acoustic tile ceilings. Office partitions are of wood and glass; doors and windows and door frames are of wood and the walls are tiled around the stairways and in washrooms. The main entrance steps have been done in concrete with terrazzo finish and the main entrance hall has a terrazzo floor and base. The rear stair is constructed of steel with mastic treads.

The main floor, including the extension, will contain nine private offices, two large office areas, corridor, vault and men's and women's washrooms.

The basement floor contains a repair garage which accommodates six trucks; also a garage containing three trucks in connection with the radio workshop. The balance of this floor includes the boiler room, stair hall, two storage areas, filing storage, radio storage, radio workshop, radio technician's office, vault and men's washroom. Emergency exits from the garage areas are provided and provision has been made for a car lift in the garage.

On the second floor over the rear extension the space will be divided to meet the various requirements of the Department.

### General

At the Header House asbestos floor tile was laid throughout the second floor, and fluorescent lighting was installed throughout the building. The building is now substantially completed.

Close type grating was installed in the greenhouses and installation of lighting is nearing completion.

Work is in progress on the installation of four special growth chambers and installation of finished vitrolite is under way. Insulation and terrazzo floors were completed.

The exterior of the residence recently completed for the radio operator was painted, landscaped and driveways constructed.

Work progressed on the installation of two special growth rooms and a dark room in the Forest Pathology Laboratory, similar to installations in the Header House. Insulation work and terrazzo floors were completed.



Exterior View of the Newly Renovated District Office Building  
PEMBROKE

### **Matheson**

Electrical installations were completed at the Divisional Office building.

### **Pembroke — District Office**

A complete renovation of the old portion of the building was carried out and a small laboratory was constructed in the basement.

### **Plevna**

The grounds were graded and seeded, and driveways completed, around the two new bungalows recently constructed for the Deputy Forest Ranger and Conservation Officer.

### **Port Arthur — Air Services Division**

A basement room and hall in an Air Services residence were painted and decorated.

### **South Bay Mouth — Fisheries Research Station**

A new water supply system was installed to provide the Research Station with service water and water for fire protection, as the existing supply from a drilled well was inadequate. The new system consists of an



8-inch intake extending approximately 490 feet into the lake, and buried in a channel excavated in the lake bed. A wet well and pump house were constructed and equipped, and the service lines leading to the various buildings of the Station were completed.

#### **Swastika**

Electrical installations at this Divisional Office Building were nearing completion by the end of the fiscal year.

#### **Uxbridge Forest**

The concrete block structure, 30 feet by 60 feet, to provide garage space for three vehicles, as referred to in the previous year's Report, was completed in May, 1957.

## For The

# DEPARTMENT OF MINES

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### **Cobalt — Temiskaming Testing Laboratory**

Some further work was completed on the installation of the fume and dust control system, referred to in the previous year's Report, and extensive electrical renovations were substantially completed.

### **Elliot Lake**

Work commenced in September on the erection of two cottages at Nos. 360 and 579 McFarlane Road, for the use of the Department of Mines Inspectors in the area. The six-room houses will be of two storeys, brick veneer construction with concrete block basement and largely prefabricated. Both are nearing completion.

### **Kirkland Lake — Mining Recorder's Office Building**

Ground was broken on April 15th, 1957, for the erection of a new Mining Recorder's Office building on Government Road East, Kirkland Lake. The completed building was occupied on March 31st, 1958.

The building is of two storeys, 37 feet by 67 feet, with basement below one-third of the area. It is of fireproof construction, the exterior walls faced with brick and stone on load-bearing masonry, backed with insulation and plaster on furring tile. The entire structure is of reinforced concrete, with reinforced slab on bar joists for second floor and roof. Two completely enclosed fire stairs serve all floors.

On the first floor the Recorder and Claims Inspector's offices open into a general office and waiting area, and there is also a large fireproof mechanically ventilated vault for the storage of documents.

Entrance to the second floor leads to a general office and waiting area, off which are offices for the District Inspector, electrician, and Mechanical Inspector, and one other private office. Also opening off the general office is the geologist's office, which communicates with a large draughting room with north and east light. A fireproof vault opens off the draughting room, and a fully equipped laboratory is provided for the geologist. Washrooms are located on both floors.

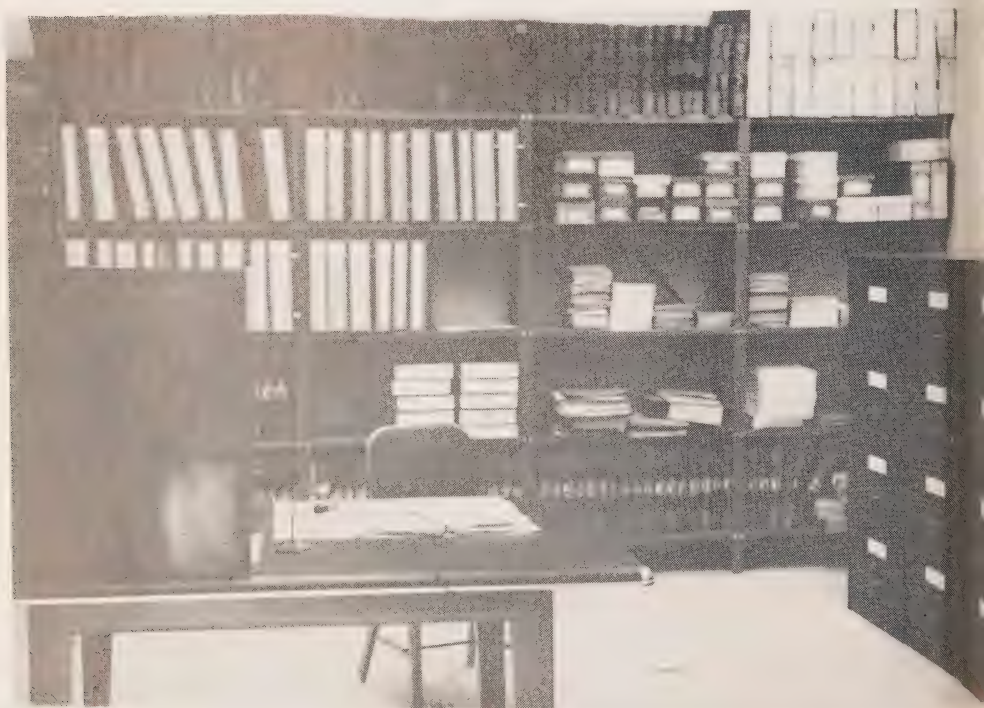
The basement contains the boiler room and store rooms. Heating is by forced hot water through recessed convector radiators on all floors, served from an oil-fired boiler, which is designed for conversion to coal in an emergency.

The building is largely brick faced, but the street facade is predominantly stone clad, with a plain brick panel.

A parking area for six cars, with heater outlets, is provided adjacent to the building.



View showing the New Mining Recorder's Office Building  
KIRKLAND LAKE



Interior View of the Records Office of the New Mining Recorder's Office Building  
KIRKLAND LAKE



# For The

## DEPARTMENT OF REFORM INSTITUTIONS

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### **Bowmanville Training School for Boys**

The new pasteurizing plant mentioned in the previous year's Report was completed early in this fiscal year. The building is a one-storey fireproof structure and is completely equipped for the processing of milk for the Boys' Training School at Cobourg, the new Ontario Reformatory at Millbrook and this Institution.

Renovation and re-equipment of the dining hall and kitchen areas, referred to in the previous year's Report, and consisting of the reconditioning and replacement of refrigeration, replacement of floors in the main kitchen and dining alcoves, plastering and painting, and renewal of plumbing, heating and electrical services, was completed near the end of the fiscal year.

The programme of plumbing and washroom repairs in the triple dormitories is well under way with work nearing completion in the North House and commencement made in the South House.

The new foundation and floor repairs at the metal shop are well advanced.

Work is nearing completion on the installation of the sanitary system for the farm on the east side of the creek.

A new piggery building, replacing that destroyed by fire, is substantially completed.

### **Ontario Reformatory, Brampton**

Repairs to coping and brickwork were completed at the Administration Building.

### **Training Centre for Reformable Women, Brampton**

Work commenced in August, 1957, on the construction of a cottage type building to house a new Training Centre for Reformable Women, located in a ten-acre area of the existing Ontario Reformatory at Brampton. The site is approximately a quarter of a mile south of the existing Reformatory buildings.

The new Institution will have accommodation for 24 women, and will be of minimum security type, complete with kitchen, laundry, boiler plant, recreational facilities, and all requirements necessary for an isolated establishment. Sewer and water services are being connected to the municipal system.

Exterior and interior masonry work is well advanced, and trenching, underground piping and pole line works are in progress.

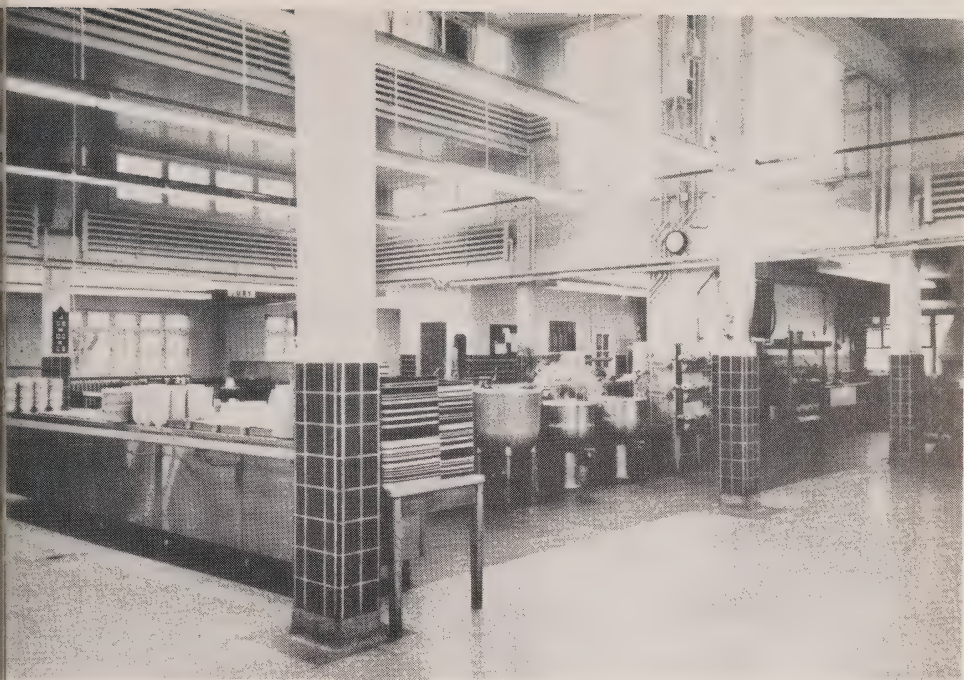


Interior View of the Newly Constructed Pasteurization Building showing the New Equipment,  
Ontario Training School for Boys  
BOWMANVILLE



Exterior View of the New Pasteurization Building, Ontario Training School for Boys  
BOWMANVILLE





terior View of the Recently Renovated and Newly Equipped Dining Hall and Kitchen,  
Ontario Training School for Boys

BOWMANVILLE

## **Rideau Industrial Farm, Burritt's Rapids**

### **Security Building Addition**

Construction work on a new Security Wing Addition to the Main Building block is in progress under Department of Public Works supervision. The new wing consists of one floor with full basement and is approximately 55 feet by 35 feet, and of concrete block with reinforced concrete floors. The basement is divided into four storage rooms, and the main floor comprises a dispensary, two offices, squad room, four cells, washroom and discharge room. Erection of block walls and roof deck were completed, and placing of structural tile and installation of reinforcing steel for roof is in progress. Basement sub floors were poured and furring is completed.

### **General**

Installation of a fire alarm system to service all buildings was completed. This includes service to the pump house, root cellar, all barns, Lieutenant's residence, Superintendent's residence, staff quarters, the custodial building, mess hall and kitchen.

A loading platform was constructed for the newly remodelled maintenance shop.

Repairs to joists and floors of the root cellar were completed.





View of the New Staff Residence, Industrial Farm

BURTCH

Remodelling of the enlarged tailor shop was completed, and the shop occupied.

Various buildings were painted. This included painting the exterior of the new oil and paint stores, the new 4-bay garage, and interior painting of the new tailor shop.

### **Industrial Farm, Burtch**

#### **New Staff Residence**

The new 14-bedroom staff residence, described in the previous year's Report, was substantially completed in February, 1958.

#### **General**

Office cupboards were installed in the Administration Building, and interior painting was completed.

Two floor drains were installed in the isolation cells.

Rewiring of the gymnasium and stores is continuing.

Rewiring of the new cannery for light and power is in progress.

### **Industrial Farm, Burwash**

#### **Camp No. 2 (Main) and Burwash Village**

Construction work on the new central power plant, mentioned in the previous year's Report, is nearing completion with work well advanced on the installation of steam piping and setting up the 450 KVA transformer installation to increase the transformer capacity. Construction of a new three-phase primary line from Camp No. 2 to Camp No. 5, with associated underground and overhead electrical services tying in and rerouting existing services to the new sub-station at Camp No. 5, is continuing.



View of the New Power House, Camp No. 2  
BURWASH

This work is essential owing to the present increased load in the Burwash area, and the anticipated load when the new construction at Camp No. 5 is completed.

Work is proceeding on a programme of electrical work which includes the installation of services in nine new houses and twenty-five garages in the Farmlands area and the new cattle barn, and changing the 30 ampere service to 60 ampere service at the dairy barn in the main camp. The new electric power line between Camp No. 2 and Camp No. 5 is progressing favourably.

Rewiring of the planing mill was completed.

Installation was completed for the new 1,000-gallon hot water tanks to supply the main dormitory and cell blocks at Camp No. 2.

Exploratory drilling to locate an emergency water supply for Camp No. 2 is continuing.

Rewiring to replace defective lines in the staff auditorium was completed.

#### Camp No. 5

##### Dormitory and Cells Group

Construction work on the new 200-bed Dormitory and Cells Group, fully described in the previous year's Report, was undertaken in August, 1957, with excavation work completed for the boiler room, dining hall and

auditorium sections, and continuing in the corridor to the Administration Wing. At the boiler room area formwork was completed and the south-east and north-east walls poured and stripped. Some concrete was poured in both the boiler house and dining and auditorium areas.

Work is in progress on exterior grading, waterproofing and painting at the new waterworks grounds.

### **Industrial Farm, Fort William**

Two new stokers were installed on the heating boilers.

Insulation of the new heating installations, and new fire line and hose cabinets, was completed at the warehouse.

A new well pumping unit was installed.

### **Girls' Training School, Galt**

During the fiscal year work progressed on the installation of the underground electrical distribution system to all buildings. Fibre duct was laid from the main feeder pole, under the C.N.R. and L.E. and N. railway tracks to the manhole in front of the power house, all underground duct was laid, a switchgear room constructed, and switchgear equipment installation is proceeding.

The work of installing additional showers and bathtubs for the Drake, Nelson and Beatty Houses is nearing completion. The replacing of waste lines on the first and second floors of the Drake House was completed and work is nearing completion on waste lines in the small washroom.

New curbs and gutters around the parade square were constructed.

Storm and sanitary sewers were laid for a distance of 350 feet from the rear of the Infirmary to a manhole.

### **Training School for Incurable Girls, Galt**

The new self-contained maximum security Training School for Incurable Girls, mentioned in the previous year's Report, was occupied on March 17th, 1958.

During the fiscal year finishing up work progressed with installation of storm and sanitary lines, and water lines, to the Infirmary building. Trees behind the School were removed and the ground levelled and graded to provide accommodation for outdoor activities. A crushed gravel road was laid from the roadway to the front entrance, and exercise yards were paved and fenced.

### **Ontario Reformatory, Guelph**

#### **Gymnasium**

The work of repairing and refinishing at the junction of the old and new structures was completed.

Electrical wiring and lighting was removed, new footings excavated for the installation of new steel trusses, and reinstallation of the mechanical services completed. Changing of some door openings is in progress.





Interior View of the Laundry Room Equipment at the Girls' Training School  
GALT

#### **Kitchen and Staff Dining Room Area, Main Building**

Additional renovation of the kitchen area progressed during the fiscal year. Terrazzo floors and tile work were laid and new bread proofer equipment installed. Plumbing fixtures were installed in the washroom and the old kitchen area was rewired.

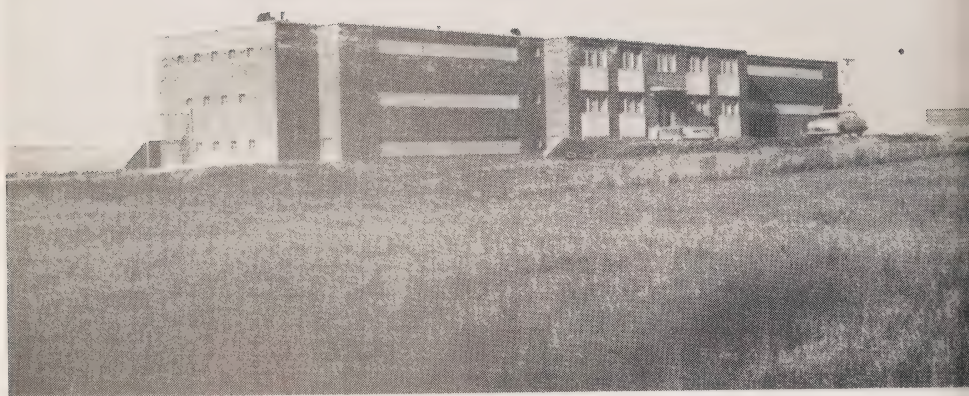
Progress was made in the refrigeration section. Old brick ovens were removed to make way for the installation of walk-in cold rooms. New walls and ceilings were constructed; cork installations and finish tile on walls and floors, including plastering, completed, and new equipment installed. Painting of the interior of the refrigeration rooms was undertaken in March to substantially complete the project.

#### **General**

Old equipment was removed and installation of new equipment, tanks, steam and water lines in the new laundry building were completed and the plant put into operation in March, 1958.

Work continued on the new sewage disposal plant with most of the underground sewer pipe and manholes completed.

Construction of a new abattoir building, located beside the old abattoir, which will later be removed, was commenced in March, 1958. The new building will be 210 feet by 112 feet.



View showing the New Training School for Incurrigible Boys  
GUELPH

### **Training School for Incurrigible Boys, Guelph**

The new Training School for Incurrigible Boys, consisting of a two-storey masonry and reinforced concrete structure to provide individual rooms for 48 inmates in conditions of maximum security, was completed, equipped and occupied by the inmates and staff of the Reformatory in January, 1958. A complete description of the building was given in the previous year's Report.

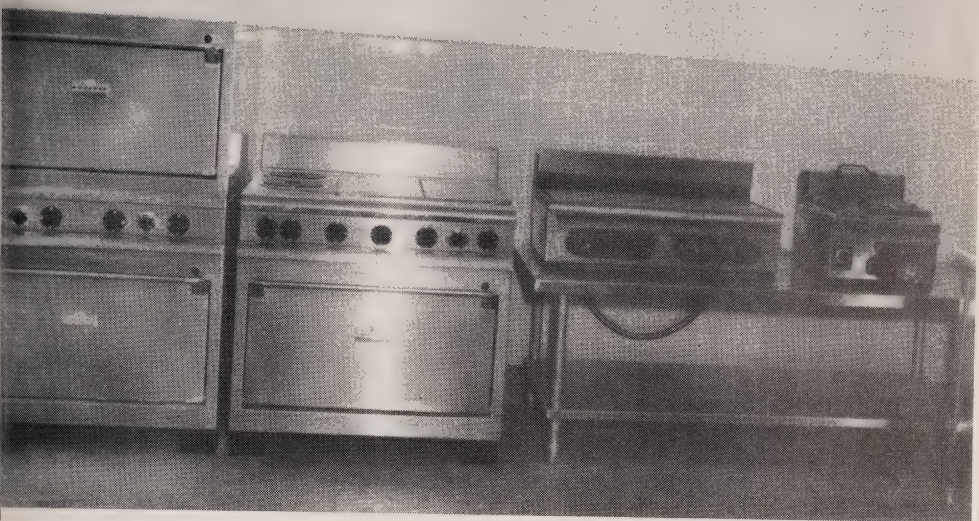
Some minor adjustments to the water supply, and installation of a fire alarm system, were completed, and installation of additional shop equipment is continuing.

### **Ontario Reformatory, Millbrook**

This new Institution, described fully in a previous Report, was officially opened on Saturday, June 1, 1957, by a representative of John W. Pickup, Chief Justice of Ontario, assisted by the Hon. John W. Foote, Minister of Reform Institutions. A large gathering of some 3,800 persons attended the ceremonies at which Mr. Nimmo Mitchell, Director of Publicity for the Department of Public Works, deputizing for the Hon. William Griesinger, Minister of Public Works, presented the official opening symbolic key to the Minister of Reform Institutions.

Three staff houses were completed and occupied, and work on a fourth staff house for the Chaplain is nearing completion.





View of the New Electrical Equipment in the Staff Kitchen, Ontario Reformatory  
GUELPH

Paving of the roads was completed and drainage work is nearing completion.

Installation of the new license plate plant was completed, trial tested, and placed in production for 1959 plates in January, 1958.

Work on drainage to relieve flooding conditions of previous years was completed.

## **Ontario Reformatory, Mimico**

### **No. 2 Dormitory**

Construction work on a fourth dormitory building, to be known as No. 2 Dormitory, was commenced in April, 1957. The new dormitory, to provide accommodation for 120 inmates, is structurally an exact replica of the previously completed Nos. 1, 3 and 4 Dormitories, with minor changes in the process of heating and washrooms.

Erection of exterior brickwork was completed to roof level and installation of roofing steel was completed. Installation of interior steel sash and partitions is in progress and glazing for the second floor was completed.



## **General**

Restoration of the cattle barn, following a recent fire which destroyed approximately one-third of the building, was completed.

Extensive repairs to brick kilns were carried out. Reconstruction of No. 9 kiln and No. 6 kiln was completed, with repairs made at several other kilns.

The new 8" water main from Kipling Avenue, with manholes and meter chamber, to service the new dormitories and cell block, was completed.

## **Industrial Farm, Monteith**

Renovation and replacement work carried out included the replacement of steam mains, installation of the X-ray unit and installation of a new pump in the sewage disposal building.

Minor repairs were made to plumbing and electrical repairs undertaken were approximately 90% completed.

## **Girls' Training School, Port Bolster**

A new house with an unfinished interior on eight acres of land at Port Bolster was purchased in November, 1957, for conversion to a new Training School for Girls.

The two-storey frame building is approximately 30 feet by 51 feet and is of frame and stucco finish, plastered on the interior, and containing approximately 15 rooms. Complete remodelling of the building for a Training School commenced in December. It includes the erection of a prefabricated addition for classroom and assembly.

A new oil-fired boiler was erected and heating convectors installed throughout the building, second storey floors were finished with lino tile on plywood underlay, and washroom facilities on the second floor added to. The prefabricated auditorium addition was erected. Renovation work continued in the existing building and is approximately 90% completed.

## **Andrew Mercer Reformatory, Toronto**

A concrete block building, 20 feet by 52 feet, was constructed to provide accommodation for a carpenter shop.

Pointing and repairs to top masonry were undertaken.

## DISTRICT GAOLS

### Fort Frances

A new ventilation system for the cell block was installed, and miscellaneous work carried out.

### Haileybury

A house was purchased and remodelled to provide a residence for the Governor.

A new quarry tile floor was laid in the gaol building.

Minor adjustments to doors and windows were completed.

Material was purchased to install a wash basin and accessories in a room adjacent to the Matron's office.

### Kenora

New window guard screens were installed.

Electrical work was completed for the installation of a new X-ray unit.

Renovation of hot and cold water lines consisted of replacing galvanized iron piping with copper.

The clothing storage room in the Matron's quarters was enlarged and fitted with new shelving.

### North Bay

Installation of a new roof on the District Gaol building is approximately 75% completed. Nine security screens were installed on the hospital, the juvenile and special cell blocks, and cell doors were fitted with new prison locks.

Installation of new wash basins, slop sinks and water closets progressed, and renewal of plastering, and the work is approximately 75% completed.

### Parry Sound

Exterior painting of the Court House, Registry Office, Gaol and Governor's residence was completed and the fireplace in the residence was rebuilt.

### Port Arthur

Two new heating boilers and stokers are in course of installation. The work consists of replacing the old horizontal return tubular boilers with two new steel fire box type boilers. One of the boilers was placed in operation and installation of the second is in progress.

A new header was installed at the City water supply line.

Renewal of branch circuit electrical wiring, and installation of new lighting fixtures throughout the building, was completed.

## For The

# PROVINCE OF ONTARIO SAVINGS OFFICES

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This Department co-operated with the Head Office Management of the Ontario Savings Offices by preparing sketches, working drawings and specifications for proposed new or alteration work; and the arranging for, or execution of this work as required at the existing Branch Offices.

The work of arranging and preparing new leases and the renewal of expiring leases, together with agreements, was carried out as directed.

The main work items undertaken in the above connections were as follows:

### **Hamilton (Ottawa Street)**

A nest of 96 safety deposit boxes was installed.

### **Hamilton (Pigott Building)**

A nest of 42 safety deposit boxes was installed, and existing safety deposit boxes were rearranged.

### **Ottawa**

A nest of 15 safety deposit boxes was installed.

### **Pembroke**

A nest of 36 safety deposit boxes was installed.

### **St. Catharines**

A nest of 48 safety deposit boxes was installed.

The stack control for the furnace oil boiler was replaced and new parts were installed in the heating equipment.

### **Toronto (Danforth and Woodbine Branch)**

A nest of 48 safety deposit boxes was installed.

Alterations were carried out in the vault in the form of shelving. A concrete pad was constructed for the base of a cash safe brought from Head Office and set up complete.

### **Toronto (University and Dundas Street Branch)**

Plans were prepared, and are awaiting approval, for a new entrance to the bank.

### **Toronto (1556 Yonge Street Branch)**

A nest of 48 safety deposit boxes was installed.



# **For The** **DEPARTMENT OF TRANSPORT** ---

## **Hamilton**

A new License Office for the Department of Transport was opened February 28th, 1958, in leased premises on Barton Street, in the Kenilworth Shopping Centre, Hamilton.

## **Liverpool**

A new weigh scale house was constructed on Highway 401 at Liverpool, west of Whitby. The new building is of standard plan, one storey brick construction, approximately 10 feet by 14 feet. Heating and plumbing services were provided, and approaches graded and surfaced.

## **Lorne Park**

A new standard plan weigh scale house was constructed on the Queen Elizabeth Way at Lorne Park.

## **Oakville**

A new standard plan weigh scale house was constructed on the Queen Elizabeth Way at Oakville.

## **Port Credit**

The old Queen Elizabeth School building on Lot 15, Concession 2, Toronto Township, at the junction of Queen Elizabeth Way and Highway No. 10, was purchased for the use of the newly organized Department of Transport. The premises were completely renovated, partitions changed, tile floors laid on the first floor, stairs repaired, a new oil burner installed, and the heating boiler rebuilt.

The building consists of two storeys and basement, of brick and concrete construction. Classrooms were set up to house examiners, and classes for oral examination of drivers. The project includes extensive landscaping to be carried out in the Spring.

## **Prescott**

A new standard plan weigh scale house was constructed on Highway 401, north-east of Prescott.

## **Toronto — 1118 Bay Street**

Three rooms in leased premises were prepared for use and occupied by the Department of Transport. A large room was sound-

proofed for the use of business machines, and an adjoining room was equipped for an office, with eight desks. A third room was furnished to serve as a board room.

#### **Toronto — 165 Bloor Street East**

The second floor of the Pilkington Building at the corner of Church and Bloor Streets was renovated for the use of the Department of Transport. Partitions were rearranged, and an information counter was installed. Shelving was constructed in the vault section for confiscated license plates, and a basement storage room.

#### **Toronto — 696 Spadina Avenue**

Facilities were expanded at the licensing and driver examination centre with the provision of four additional small offices for conducting examinations. The floors of the new offices were tiled, and the premises were painted throughout.

## For The

# DEPARTMENT OF TRAVEL AND PUBLICITY

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As in previous years, working drawings and specifications for new work or alterations were prepared, and their execution arranged for, by the Department of Public Works in co-operation with the Department of Travel and Publicity.

General maintenance work was carried out at the following Reception Centres:

### **Cornwall**

A new combination storm and screen door was installed in the front entrance, and the exterior of the building painted.

### **Fort Erie (Peace Bridge)**

Both the interior and exterior of the building were painted and a new veranda floor installed.

### **Fort Frances**

The old fuel oil space heater was replaced by a new propane gas heater.

### **Hawkesbury**

The interior of the building was painted and repairs to plumbing made.

### **Ivy Lea (At Thousand Islands Bridge)**

An illuminated electrical sign was erected and extensive horticultural work carried out around the front of the building.

### **Kenora**

The lawn was extended along the lake front by using earth fill and levelling off a large rocky area on the easterly side of the building. A new electric pump and hot water boiler were installed.

### **Middle Falls**

The grounds were landscaped. Concrete curbs and sidewalks, and platforms and steps at the entrances to the building, were completed. A flagpole was erected and the driveways gravelled and surfaced with asphalt. Minor repairs to the water supply system were made.





Exterior View of the Tourist Reception Centre  
MIDDLE FALLS



Interior View of the Tourist Reception Centre  
MIDDLE FALLS

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

## Niagara Falls

The interior and exterior of the building were painted, the floor linoleum was renewed and some landscaping work completed. Construction of a storeroom addition was started in January and brought to completion. Tulip beds were planted and repairs were made to the sewer.

## Point Edward (Blue Water Bridge, Sarnia)

The area surrounding the parkette, in front of the new parking area, was paved, tying in the old ground area and site of the former building to the new bureau landscape. 1,500 tulip bulbs were planted.

## St. Catharines (Homer)

The exterior of the building was painted, some landscaping carried out and repairs made to the floodlights. Plans were prepared for a new storeroom addition, and tulip beds were planted.

## Sault Ste. Marie

New furnishings were installed in the staff rest rooms and a wooden fence was erected around the property.

## Windsor (At Bridge Exit)

Prices are called for the relocation, alterations and additions to the building.

## Windsor (At Tunnel Exit)

The veranda floor and steps were repaired.

A contract was awarded for painting the exterior and interior of the building.

# For The

## ONTARIO WATER RESOURCES COMMISSION

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### Administration and Laboratory Building

Ground was broken December 30, 1957, for the construction of an Administration and Laboratory Building for the recently formed Ontario Water Resources Commission, on Highway No. 401, just west of the Humber River in Etobicoke Township. The site runs parallel to the highway for 500 feet, and is 700 feet deep, providing for an anticipated future expansion. The project, including a main building and out-buildings, will provide 53,000 square feet of floor space.

The second floor of the main building accommodates fourteen major laboratories, with scale rooms, refrigerated rooms, and office equipment rooms.

The ground floor provides an open experimental area with facilities for storage, bottle wash, and the mechanical servicing of the building.

Situated adjacent to the highway, and to the north and west of the main building, the auditorium is a circular structure seating 160 persons, with an employees' cafeteria to seat 100. A circular fountain is located to the west front of the building.

Other buildings include a garage connected to the main building by an open arcade, and with accommodation for three trucks, a boat trailer, and tool equipment storage; and a small pump house to extract sewage from the main Humber Valley trunk line. Parking for 78 cars is provided.

All excavation work for footings was completed except for the lecture hall and cafeteria and pouring of footings is in general progress. At the end of the fiscal year the foundation wall formwork for the transformer vault and boiler room areas was erected, and reinforcing steel placed ready for the concrete pour.

### 28-30 Grosvenor Street

Premises at 28-30 Grosvenor Street, consisting of a three-storey double house, were purchased and partly occupied in March, 1958. The building is of brick construction with full basement. The front portion of the second floor area was divided with wood and glass partitions to provide three offices for the contract office and personnel records sections.





View Showing Construction of the Entrance Road Leading to the Proposed Administration and Laboratory Building, Ontario Water Resources Commission  
TOWNSHIP OF ETOBICOKE

### **34 Grosvenor Street**

A three-storey brick house at 34 Grosvenor Street was purchased to provide offices for the Ontario Water Resources Commission, and was occupied in March, 1958. Renovation work carried out included replastering and redecorating of the second and third floors. The second floor was occupied by the district engineers' offices, and the third floor by the stream sanitation branch.

# REPORT OF

## THE ASSISTANT CHIEF PROPERTY VALUATOR

Parliament Buildings,  
Toronto, Ontario,  
March 31, 1958.

Mr. George N. Williams,  
Deputy Minister and Chief Architect,  
Department of Public Works.

### Re: REPORT OF THE PROPERTY BRANCH 1957-58

During the year 1957-58 this Branch has investigated many matters resulting in the following number of transactions:

182 Purchases, Valuations, Sales	\$ 2,888,134.02
70 Leases	1,325,958.60

Total	—	\$ 4,214,092.62
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Transactions for the two previous years were as follows:

1956-57

165 Purchases, Valuations, Sales	\$ 5,237,916.15
64 Leases	1,114,745.50

Total	—	\$ 6,352,661.65
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1955-56

103 Purchases, Valuations, Sales	\$ 1,282,620.70
58 Leases	461,950.50

Total	—	\$ 1,744,571.20
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Although the total consideration is less than for the preceding year, the number of individual items have increased. This number, however, does not indicate the total increased number of investigations carried out by this Branch. For example, in acquiring sites for the Ontario Provincial Police, we have negotiated 48 transactions which actually provide 94 separate building sites.

For preliminary investigation a number of properties are referred to this Branch by the Ontario Parks Integration Board. This preliminary work, often followed by negotiations for acquisition, does take up a considerable portion of our time. Unless the properties are acquired they do not appear in this Report.

The increase in the number of leases also places more demands on this Branch.

Respectfully submitted,



Assistant Chief Property Valuator.

# **For The** **ONTARIO GOVERNMENT EXHIBITS** ---

**Canadian National Exhibition, Toronto**

**August 23rd-September 7th, 1957**

## **ONTARIO GOVERNMENT BUILDING, EXHIBITION GROUNDS, TORONTO**

In 1957 the various Departments of the Ontario Government, under the leadership of the Department of Public Works, produced an educational exhibition in the Ontario Government Building contemporaneously with the Canadian National Exhibition. The purpose of this Ontario Government Exhibition has always been that of providing information concerning the operations of the various Departments of the Ontario Government in addition to establishing sound public relations not only with the people of the Province but with visitors from all over the world.

Appropriate space was allocated to those Governmental Departments who indicated a desire to exhibit, and subsequently this Department in liaison with the exhibiting Departments produced an over-all exhibit which, through the medium of colour, form and design, very effectively told the story of the functions of the various Departments of the Provincial Government to many thousands of people.

Preparation of the building included the installation and maintenance of mechanical services, carpentry, painting, special lighting installations to enhance exhibits, decorating and providing staff to supervise and maintain the buildings and exhibits in first-class condition. The work also included decorating and equipping the 300-seat movie theatre which provided six programmes daily and was patronized by an attendance averaging ninety per cent. of capacity.

Taking part in this Exhibition were the Departments of:

Agriculture	Lands and Forests
Attorney General	Mines
Education	Planning and Development
Health	Public Welfare
Highways	Transport
Labour	Travel and Publicity

and the following Government sponsored organizations:

The Hydro-Electric Power Commission of Ontario  
The Ontario Branch, Canadian Cancer Society  
The Ontario Division, Canadian Red Cross Society



## Central Canada Exhibition, Ottawa

August 23rd-31st, 1957

### ONTARIO GOVERNMENT PARTICIPATION

The Ontario Government was invited by the management of the Central Canada Exhibition Association to occupy the same space as in previous years in which to present, as part of the Central Canada Exhibition, an exhibit in which would be presented some of its Departmental features and functions. Displays were presented by the Departments of:

Agriculture  
Health  
Highways  
Lands and Forests  
Planning and Development  
Reform Institutions

The Department of Public Works was authorized to prepare the area as a suitable setting for the exhibits, and general maintenance of electrical and mechanical services was carried out. The aquaria section for the game and fish display by the Department of Lands and Forests was re-designed and rebuilt with new tanks. The necessary carpentry work to accommodate new exhibits, painting and decorating was completed throughout the whole area.

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### BOILER INSPECTION

The Boiler Inspection work of this Department, as in previous years, was carried out under the supervision of officers of the Ontario Department of Public Works.

The boilers, boiler plant and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and material needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and Reformatories, the reports as referred to were sent to the Department of Health and Reform Institutions respectively, for their attention in the matter of making minor repairs recommended. Major repairs for these Departments were attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,



Chief Architect.

Toronto, March 31, 1958.

*Statements*  
*of the*  
*Accountant*  
*of*  
*Public Works Department*  
*1957-1958*

Department of Public Works, Ontario.

TORONTO, March 31st, 1958.

The Honourable William Griesinger, M.C., V.D., LL.D.,  
Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

Sir:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditures on Provincial Government Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1958.

I have the honour to be, Sir,

Your obedient servant,

A handwritten signature in dark ink, appearing to read "A. A. Garrison". The signature is written in a cursive, flowing style.

Chief Accountant.



# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

## REPORT OF THE ACCOUNTANT

The following figures show an increase in the operations of the Department over the previous year:

### EXPENDITURES

<i>Fiscal Year</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
1957-58	\$ 9,096,775.67	\$44,239,138.95	\$53,335,914.62
1956-57	6,788,107.10	29,218,718.59	36,006,825.69
	<hr/>	<hr/>	<hr/>
Percent. Increase	\$ 2,308,668.57 34.01%	\$15,020,420.36 51.4%	\$17,329,088.93 48.13%

### SUMMARY OF EXPENDITURES

FOR FISCAL YEAR APRIL 1st, 1957, TO MARCH 31st, 1958

<i>Service</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
Main Office—Administration expenses, etc.	\$ 999,995.64		\$ 999,995.64
Maintenance and Repairs — Government Buildings	5,912,582.37		5,912,582.37
Public Works—Maintenance	115,648.27		115,648.27
Public Works—Aid to Drainage	535,218.59	4,811.75	540,030.34
Public Buildings		41,867,106.75	41,867,106.75
Public Works		638,994.21	638,994.21
Ontario Water Resources Commission	518,063.24	1,722,032.12	2,240,095.36
Miscellaneous	1,015,267.56	6,194.12	1,021,461.68
	<hr/>	<hr/>	<hr/>
Total Net Expenditure	\$ 9,096,775.67	\$44,239,138.95	\$53,335,914.62

### STATEMENT OF REVENUE

Commissions on telegraphs and telephones	\$ 6,668.00	\$ 6,668.00
Sale of material	8,770.29	8,770.29
Rentals	231,863.76	231,863.76
Perquisites	2,288.13	2,288.13
Building Equipment	1,453.00	1,453.00
Miscellaneous	773.04	773.04
20% (or more) Farmers' Contributions towards cost of Provincial Aid to Drainage in unorganized Townships in Northern Ontario	1,062.13	1,062.13
Sale of property		71,915.13
	<hr/>	<hr/>
	\$ 252,878.35	\$ 71,915.13
		\$ 324,793.48

TORONTO,  
March 31st, 1958.

A. A. EASSON,  
Chief Accountant.

# STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE, REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS

FOR FISCAL YEAR ENDING MARCH 31st, 1958

## ORDINARY

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
<b>MAIN OFFICE</b>		
Minister's salary	10,000.00	
Salaries	659,408.11	
Travelling expenses	17,021.08	
Maintenance	102,199.42	
Insurance	7,965.00	
Local Improvement Taxes	8,275.06	
Unforeseen and unprovided	57.08	
Compensation — medical, etc., for injured workmen	99,904.09	
Unemployment Insurance Stamps	95,165.80	
		999,995.64
<b>GENERAL SUPERINTENDENCE</b>		
Salaries	201,141.34	
Services, travelling and other expenses	18,285.24	
		219,426.58
<b>LIEUTENANT-GOVERNOR'S APARTMENT</b>		
Salaries	6,259.98	
Maintenance	2,603.96	
		8,863.94
<b>LEGISLATIVE AND DEPARTMENTAL BUILDINGS</b>		
<b>Administrative Services:</b>		
Salaries	140,376.82	
Telephone service	378,111.15	
Typewriter inspection and repairs for all Departments	36,590.24	
<b>Maintenance Staff:</b>		
Salaries	1,468,662.57	
Maintenance	408,514.10	
<b>Repairs to Buildings:</b>		
Repairs to buildings including salaries of Mechanical staff	619,043.42	
	3,051,298.30	
Deduct Rentals	3,000.00	
		3,048,298.30

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
<b>OSGOODE HALL AND ONTARIO GOVERNMENT OFFICE BUILDING</b>		
Salaries	279,545.51	
Maintenance	119,693.07	
		399,238.58
<b>GOVERNMENT BUILDINGS</b>		
Repairs, alterations and incidentals		1,449,300.19
<b>ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS</b>		
Maintenance	49,344.83	
Leased Premises	738,109.95	
		787,454.78
<b>MAINTENANCE OF LOCKS, BRIDGES, DAMS AND DOCKS, ETC.</b>		
Maintenance		115,648.27
<b>AID TO DRAINAGE</b>		
To provide for grants in aid of drainage work in accordance with The Provincial Aid to Drainage Act, 1954		
	498,522.76	
Salaries and expenses in connection with preparing drainage schemes, and for construction, improvement or re-construction of trunk channels for farm drainage in Northern Ontario, including expenses in connection with inspection of drainage works which may qualify for grants under The Provincial Aid to Drainage Act, 1954		
	36,695.83	
		535,218.59
<b>MISCELLANEOUS</b>		
Preparing and installing exhibits for Government Departments, including costs of electric services and other expenses in connection therewith		
	47,376.46	



<i>Service</i>	<i>Amount</i> \$	<i>Amount</i> \$
<b>ONTARIO WATER RESOURCES COMMISSION:</b>		
Salaries, services, expenses, etc., in connection with study and development of water resources and supply, disposal of sewage, etc.	518,063.24	
To provide for expenses arising from unforeseen circumstances or for which no provision has been made, as may be directed by the Lieutenant-Governor in Council	27,686.70	
To provide for grants towards the cost of construction of new Gaol accommodation as may be directed by the Lieutenant-Governor in Council	940,204.40	1,533,330.80
<b>TOTAL ORDINARY EXPENDITURE</b>		<b>\$ 9,096,775.67</b>

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

## CAPITAL

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
<b>PUBLIC BUILDINGS</b>		
To provide for the construction of new buildings and works, purchase of lands and buildings, alterations, equipment and extension of services to existing buildings and works and the purchase of construction plant and equipment and materials for stores and expenses in connection therewith		41,867,106.75
<b>DAMS, DOCKS AND DRAINAGE WORKS</b>		
Municipal Drainage, including grants in aid thereof	4,811.75	
Storage Dams and Docks	638,994.21	
		643,805.96
<b>MISCELLANEOUS</b>		
Aid — Remedial Works, etc. — Grants to provide for purchase of lands, construction of remedial works, to alleviate flooding conditions, erosion of farm lands and other damages and expenses in connection therewith as may be directed by the Lieutenant-Governor in Council	6,194.12	
<b>ONTARIO WATER RESOURCES COMMISSION</b>		
To provide for the construction and installation of plant and equipment and expenses in connection therewith	1,722,032.12	
		1,728,226.24
<b>TOTAL CAPITAL EXPENDITURE</b>		\$44,239,138.95

## SUMMARY

### ORDINARY EXPENDITURE

Main Office, Maintenance and Repairs of Government Buildings and Ontario Water Resources Commission	\$ 9,096,775.67
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### CAPITAL EXPENDITURE

Public Buildings, Public Works and Ontario Water Resources Commission	44,239,138.95
	<hr/>
	\$53,335,914.62

TORONTO,  
March 31st, 1958.

A. A. EASSON,  
Chief Accountant.



# REPORT

OF THE

## DEPUTY MINISTER OF PUBLIC WORKS (ENGINEERING)

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THE HONOURABLE WM. GRIESINGER, M.P.P.,  
Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

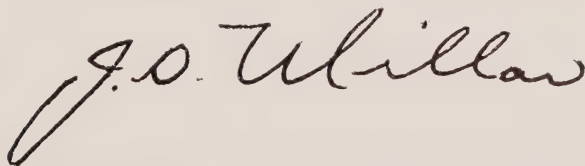
Sir:

I have the honour to submit to you the accompanying Report of the Chief Hydraulic Engineer, covering the activities of the Department of Public Works on Dams, Docks, Locks, Drainage, etc., and the Report of the Chief Sanitary Engineer, for the fiscal year, April 1, 1957, to March 31, 1958.

As in the previous year, in the Report of the Chief Accountant will be noted reference to expenditures of The Ontario Water Resources Commission, which is operating for the time being under the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

A handwritten signature in dark ink, appearing to read "J. O. Whillan". The signature is fluid and cursive, with a large loop at the end of the last name.

Deputy Minister of Public Works (Engineering).

Toronto, March 31, 1958.

# REPORT OF THE CHIEF HYDRAULIC ENGINEER

Parliament Building,  
Toronto, Ontario,  
March 31, 1958.

Mr. J. D. Millar,  
Deputy Minister (Engineering),  
Department of Public Works.

## RE: CHIEF HYDRAULIC ENGINEER'S REPORT, 1957-58 DAMS, DOCKS, LOCKS, DRAINAGE, ETC.

The work performed under the supervision of the Chief Hydraulic Engineer during the fiscal year 1957-58 was as follows:

### SUMMARY

The investigation, survey, design, inspection and approval of the work on dams, docks, locks, etc., was done under the direct supervision of the Hydraulic Engineer, Structures. All work was performed by day labour wherever possible, except as may be noted.

The regular maintenance of dams, docks, locks and navigable channels was carried out and repairs were made where necessary. Removal of driftwood and obstructions from the dam sites was continued. Navigation routes and dangerous rocks and shoals were marked with buoys in the Muskoka and Magnetawan areas.

One concrete dam previously commenced was continued. Seven concrete dams were commenced this year and were completed. Work on four concrete dams was commenced. Two docks and two shore protection walls were commenced this year and were completed. One aircraft platform previously commenced was completed. Finishing of earth fills was completed on two previously constructed dams. Landscaping was carried out around two existing locks. Major repairs were effected to SEVEN concrete dams, TWO timber docks and ONE swing bridge. These projects are all detailed below.

The processing of applications from Municipalities for grants toward the cost of drainage works under the provisions of The Provincial Aid to Drainage Act, and the inspection and approval of the works, were carried out under the direct supervision of the Hydraulic Engineer, Drainage.

Financial aid under the provisions of The Provincial Aid to Drainage Act, 1954, amounted to a total of \$506,707.65 on 475 drainage schemes throughout the Province, of which \$498,522.76 was paid toward 464 drainage schemes in organized Townships and \$8,184.89 on 11 drainage schemes in unorganized Townships. Grants under "Aid — Remedial Works" amounted to \$6,194.12. Grants totalling \$4,811.75 were paid in aid of Municipal Drainage projects. Details are set out below, under their respective headings.

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

During the fiscal year, a road programme entailing an expenditure of nearly One-half Million Dollars was completed for Government establishments. This new Section of the Engineering Branch has now been organized under the direction of a Professional Engineer and an adequate staff is being set up to cope with the increasing demands of the Government Departments for new work and the cleaning up of the heavy backlog of repairs. Details of this work are shown at the end of this Report.

## DAMS, DOCKS, LOCKS, ETC.

### Bala Dams, Muskoka District

The two dams across the Muskoka River at Bala were originally built in 1874 to control the water level of Lake Muskoka. In 1910 the North Dam was reconstructed with concrete; in 1914 the South Dam was reconstructed with masonry in combination with the highway bridge at that location. The dams have been maintained by this Department. During an inspection in 1956, by divers, the concrete facing and the masonry core of the piers of the South Dam were found to be in a state of advanced deterioration, and reconstruction of the dam was found to be necessary.

This fiscal year, pre-engineering of the site of the South Dam was carried out and the design of a new reinforced concrete dam was prepared by the Engineering Staff of this Department. In February, 1957, a coffer-dam was installed, the site was de-watered, and excavation was carried out for deepening of the river channel, as required by the design. Reconstruction work will be carried to completion during the next fiscal year.

### Baptiste Lake Dam, Herschel Township, Hastings County

A new reinforced concrete deck was constructed over the 20-foot sluice gate of the existing concrete dam. The deck is 30 feet long, 15 feet 8 inches wide and 16 inches thick. The stationary gear winches were overhauled and placed on new concrete winch piers. The winch piers were reinforced and anchored to the deck to resist the overturning forces developed by the winch mechanism during operation of the stop logs.

### Booth Lake Dam, Township of Preston, Nipissing District

The dam at the outlet of Booth Lake was originally installed by a lumbering company in 1865. In 1930 it was reconstructed with rock-filled timber cribs, and used for log driving. After cessation of lumbering operations in this area in 1941, the dam was operated by the Department of Lands and Forests for control of water levels in the Madawaska River System. In 1954 the dam was found to be in a state of advanced deterioration. During the Hurricane Audrey on June 30, 1957, the dam was damaged by the flood, and the Department of Lands and Forests requested the reconstruction of the dam.

This fiscal year, pre-engineering of the site, including test drilling, was carried out and the design of a new reinforced concrete dam was



prepared by the Engineering Staff of this Department. A bush road 7 miles long was built along an old lumbering trail for access to the construction site, and camp buildings were constructed at the site. The reconstruction work will be carried out during the next fiscal year.

### **Dam at Ontario Training School, Bowmanville, Durham County**

The old concrete dam for storing water for the Ontario Training School for Boys, Department of Reform Institutions, Bowmanville, had deteriorated beyond repair. It was reconstructed this fiscal year with reinforced concrete, as designed by the Engineering Staff of this Department. The work was completed in July, 1957.

The new dam is 87 feet long. It has two 14-foot sluiceways fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the controlled water level is 4 feet 6 inches and the top of the deck is 5 feet above this level. The deck is 40 feet long, 10 feet wide and 12 inches thick. Two pairs of stationary gear winches were placed on the deck for operation of stop logs. A steel pipe hand rail was installed around the deck for safety of operation.

The dam rests on a reinforced concrete foundation slab 87 feet long, 27 feet wide and 2 feet thick. This slab combined with two retaining walls, forms a stilling basin for the discharge flow.

A water intake chamber 2 feet 4 inches by 3 feet 8 inches and 7 feet 6 inches deep was constructed in front of the easterly pier of the dam. A 12-inch cast iron pipe was installed between the intake chamber and the existing water purification plant. The intake pipe is 125 feet long, with a gate valve located in front of the east wing wall of the dam.

Both banks of the storage reservoir were re-graded, and earth fill was placed where necessary. The banks of the outflow channel were reinforced with gravel and rock rip-rap.

### **Burnt Island Lake Dam, Hunter Township, Nipissing District**

The existing concrete dam at the outlet of Burnt Island Lake was constructed 30 years ago by this Department as one of the storage dams in the Muskoka River system. In 1939 deterioration of the concrete was discovered in some parts of the structure, and major repairs were made. During an inspection in 1956 the dam was found to be deteriorated beyond repair.

The new dam was designed in reinforced concrete by the Engineering Staff of this Department, and reconstruction was carried out this fiscal year. The work was completed in November, 1957.

The new dam is 108 feet long. It has one 12-foot sluiceway, and one discharge valve 2 feet 6 inches square. The head of water from the sluiceway sill to the controlled water level is 9 feet 3 inches, and the sluiceway deck is 3 feet above this level. The centre of the valve is 7 feet 3 inches below the controlled water level. The sluiceway is fitted with steel chases, and timber stop logs. The valve is of flat cast steel type, fitted with steel slides, and a lifting spindle. Steel grating was placed in front of the valve opening to protect the valve against floating timber, or ice. The deck of the dam is 20 feet long, 12 feet wide, and 12 inches thick, with an additional 5 feet by 7 feet extension as an operating platform

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

for the valve. A pair of stationary gear winches was installed on the deck for operation of stop logs, and a steel pedestal lift was placed on the extension of the deck for operation of the valve. A steel pipe hand rail was installed around the deck for safety of operation.

The dam rests on a reinforced concrete foundation slab which is 44 feet long, 20 feet wide, and 6 feet 6 inches thick. The foundation slab is based on a layer of well compacted sand and gravel, and is joined to solid rock on both river banks. The worn surface of the rock was removed by blasting to provide for a satisfactory bond between the rock and the concrete. A carpet of impervious fill up to 6 feet thick was placed along the front of the foundation slab.

### **Lake Couchiching Dock at Ontario Athletic Leadership Camp, Longford Mills, Muskoka District**

The old rock-filled timber crib dock at this camp was damaged by storm and ice and was shifted from its foundation. Reconstruction of the dock was requested by the Department of Education. A new permanent dock and a floating dock were designed by the Engineering Staff of this Department, and the reconstruction work was completed in June, 1957.

The new permanent dock is 60 feet long, 14 feet wide and up to 7 feet high. It was constructed as a rock-filled timber crib. The crib was assembled on the shore and then pushed into position in the lake. The lake bottom at this location is formed of limestone rock. Thirty-six expanding rock bolts were installed in the rock and bolted to the timber for fastening the dock to the lake bottom. The deck of the dock was made of 3-inch planking and the sides were sheeted with 2-inch lumber.

The floating section was made 46 feet long and 14 feet wide. It is supported by fourteen steel tanks of 200-gallon capacity. The frame of the dock was made of 8-inch by 10-inch timber, the deck was made of 3-inch planking, and the sides were sheeted with 2-inch lumber.

All the timber in both docks was treated with wood preservative. The steel tanks were treated outside and inside with asphalt paint. Eighteen pieces of steel rail were prepared for being placed in a sloped position around the dock before the freeze-up of the lake, to protect the dock from pressure of moving ice.

### **Distress Dam, Sinclair Township, Muskoka District**

Damages to the deck and operating mechanism of the dam were caused by flooding during Hurricane Audrey on June 30th, 1957. Two pair of new stationary gear winches on reinforced concrete winch piers were installed on the deck. The new winch piers were anchored to the existing deck with expanding anchor bolts. A new steel pipe hand rail was placed around the deck. The damaged end of the westerly wing wall was renewed with reinforced concrete.

## **Dogpaw Lake Dam, Whitefish Bay, Kenora District**

The old rock-filled timber crib dam between Dogpaw Lake and Regina Bay, Lake of the Woods, was formerly maintained and operated by a pulp and paper company for lumbering purposes. In April, 1955, after cancellation of the License of Occupation, it became the property of the Crown. In 1957, the Department of Lands and Forests requested reconstruction of the dam.

This fiscal year, the pre-engineering of the site including test drilling was carried out, and the design of a new reinforced concrete dam was prepared by the Engineering Staff of this Department. An access road to the site, 2 miles long, was built and work on erection of camp buildings, preparation of the site, and excavation of the bed rock for foundation of the dam was proceeded with. The reconstruction work will be continued during the next fiscal year.

## **Feather Lake Dam, Rainy River District**

The existing concrete dam at the outlet of Feather Lake was constructed by this Department in 1951. This fiscal year, improvements were made to the deck and the operating mechanism of the dam. Two pairs of new stationary gear winches were installed on new concrete winch piers for operation of stop logs in the two sluice gates. The winch piers were anchored to the concrete deck with expanding rock bolts. A steel pipe hand rail was installed around the deck. A water gauge was installed on the centre pier of the dam. Driftwood and debris were removed from the entrance to the dam.

## **Finlayson Dam, Nipissing District**

Damages to the dam were caused by a heavy flood during Hurricane Audrey on June 30th, 1957. The upper regions of the Big East River drainage area were flooded before the operating crews could reach the dam and open the sluiceways. Water was running across the deck to a depth of 4 feet, and the stop log winches and hand rail were carried away by the flow.

Two pair of new stationary gear winches on reinforced concrete winch piers were installed on the deck. The new winch piers were anchored to the existing deck with expanding anchor bolts. The hand rail was renewed with fitted steel piping. The ends of both wing walls were reinforced with concrete and earth fill.

## **Huntsville Dam and Locks, Township of Brunel, Muskoka District**

Partial reconstruction of the dam and of the outlet channels downstream from the dam was completed last fiscal year. This year, landscaping of the area between the dam and the locks was carried out. The slopes of the easterly river bank and of the earth fills were re-graded and reinforced with coarse gravel or timber cribwork where necessary. Top soil and sodding was applied. A parking lot for cars was constructed on the easterly bank at Highway No. 527.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **"Hurricane Audrey"**

On June 29 and 30, 1957, central regions of the Province were subjected to very heavy rain caused by Hurricane Audrey. The Muskoka River Drainage Area, where a greater number of storage dams are maintained by this Department, was most heavily affected. The warning forecast was received on the afternoon of June 28th, and emergency work on opening the spillways of dams was carried out, beginning with the dams located at the lower end of the Muskoka storage system. The upper regions of this system, however, were flooded before the operating crews could reach the dams. On July 1st, exceptionally high water levels were observed in the Big East River system, and damages were caused to the dams in this area. The easterly earth-filled wing wall of the Tasso Lake dam was flooded and washed out. Decks were damaged and stop log winches were carried away on the Finlayson and Distress Dams, where water was running across the deck to a depth of 3 to 4 feet. Heavy flood conditions caused by this hurricane covered a considerable area and extended farther to the north. At Larder Lake, Temiskaming District, an older timber crib dam was washed out. Minor damages were caused to other dams and temporary coffer dams on construction sites. The damaged structures were all repaired or replaced by construction crews of this Department.

### **Larder Lake Dam, McFadden Township, Temiskaming District**

The existing timber crib dam at the outlet of Larder Lake was washed out on July 3rd, 1957, by the heavy flood caused by excessive rainfall during the Hurricane "Audrey." The dam was operated by the Department of Lands and Forests. The local mining industry as well as the Town of Larder Lake were dependent on the controlled water level in the lake. With the collapse of the dam, heavy flooding occurred in the Larder River downstream from the dam, causing damage to private property. At the same time the water level in the lake began rapidly receding, which threatened to starve the intakes of the existing water supply systems. The Department of Lands and Forests requested temporary closing off of the flow and reconstruction of the dam.

As an emergency measure, a plug dam of rock and gravel fill was installed by this Department across the outlet channel, approximately 500 feet upstream from the old dam site. This prevented the lake level from receding further. The temporary plug dam was completed on July 22nd, 1957.

The site of the temporary plug dam was later selected as a suitable site for the new permanent dam. The design of the new dam was developed by the Engineering Staff of this Department. It consists of an earth-filled wing wall which would incorporate the preliminary plug fill, and a reinforced concrete spillway structure with three 14-foot sluice gates. The spillway portion of the dam is to be placed on solid rock which is exposed at the northerly end of the dam. The existing outlet channel at that location is to be widened and deepened by excavation.

The work of constructing the permanent dam was commenced in October, 1957. Construction camp buildings were erected and equipment

brought into the site. The earth-filled wing wall of the new dam was constructed by widening and raising the temporary plug dam. Impervious clayish gravel was used for the upstream slope, and the core of the wing wall, and rock fill was placed along its downstream toe. Rock excavation was carried out during the winter for widening and deepening of the spillway channel.

Only a winter road exists for access to the site, which is 12 miles from the Town of Larder Lake. Because of this, all the concrete aggregate, cement, steel and other heavy material necessary for this project was brought in to the site during the winter months. Concreting of the spillway portion of the dam will be commenced early next season as soon as the spring freshet is over.

### **Magnetawan Dams and Locks, Chapman Twp., Parry Sound District**

The existing "small" concrete dam located between two rock islands about 600 feet east from the Magnetawan Locks, was found to be deteriorated beyond repair. It was replaced by a new reinforced concrete dam. The reconstruction work was completed in June, 1957.

The new dam is 58 feet long. It has one 14-foot sluiceway fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the controlled water level is 5 feet, and the top of the deck is 4 feet 10 inches above this level. The deck is 22 feet long, 12 feet wide and 12 inches thick. A pair of stationary gear winches was installed on the deck for operation of stop logs and a steel pipe hand rail was installed around the deck and along the wing walls for safety of operation and of passage across the dam. The dam rests on solid rock. The worn surface of the rock was removed by blasting and the concrete foundation of the dam was placed on solid and seamless rock.

A foot bridge on steel beams which previously served the pedestrian traffic at the location of the new dam was moved and placed at the easterly dam. The bridge provides for a safe access from the easterly river bank to the deck of the dam.

Repairs were made to a timber dock which is located at the west side of the Locks. The deteriorated planking and stringers were removed and replaced by new material which was treated with wood preservative. The top of the dock was lowered to suit the requirements of navigation.

### **Marie Louise Lake Dam, Sibley Park, Thunder Bay District**

A new reinforced concrete dam at the outlet of the Marie Louise Lake was constructed last fiscal year. Because of cold weather, the finishing of the grades of the earth fill had to be postponed. This fiscal year the earth fill in both wing walls of the dam was re-graded, a protecting boom was installed across the river upstream from the dam, and the site was cleared.

### **Minisinakwa (Gogama) Lake Dam, Township of Noble, Sudbury District**

The old timber crib dam across the Minisinakwa River at the outlet of Minisinakwa Lake was originally constructed in 1917 by a hydro-electric power company for the purpose of storing water for the generation





Aerial View Showing Completion of Construction, Minisinakwa Lake Dam,  
Township of Noble

SUDBURY DISTRICT

of electricity. In 1945 its use as a storage dam was discontinued. In 1952 the control of the dam was assumed by the Department of Lands and Forests. This Department has its air base and other installations that depend upon a regulated water level located on Minisinakwa Lake. In 1956 the dam was found to be deteriorated beyond repair, and the Department of Lands and Forests requested its reconstruction.

The new structure was designed in reinforced concrete by the Engineering Staff of this Department, and reconstruction was carried out this fiscal year. In addition to the main dam, a smaller dam was designed across the northerly branch of the river. This branch was deepened and widened to serve as a by-pass channel during the construction of the main dam. In future, with the new dam, it will serve as an additional outlet for finer control of the lake level. The work on both dams was commenced in April and was completed in November, 1957.

The new main dam is 263 feet long. It has seven 14-foot sluiceways and an overflow wing wall 62 feet in length. The sluiceways are fitted with steel chases and timber stop logs. The head of water from



the sluiceway sill to the controlled water level is 5 feet and the top of the deck is 5 feet 9 inches above this level. The elevation of the deck was predicated by high spring flood levels. The crest of the overflow wing wall is at the elevation of the controlled water level. The deck is 138 feet long, 12 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of stop logs in the seven sluice gates. A steel pipe hand rail was installed around the deck for safety of operation.

The control dam across the northerly branch of the river is 101 feet long and contains two 14-foot sluiceways. Sluiceway sills are 4 feet below the controlled water level and the deck is 5 feet 9 inches above this level. The deck is 40 feet long and 16 feet 6 inches wide. It was designed as a bridge slab for passage of vehicles across the dam, which is necessary for servicing the main dam. It has curbs and railing on both sides for safety of passage and operation of the dam. Two pairs of stationary gear winches were installed on the deck for operation of stop logs.

Both dams rest on solid rock except the southerly 20-foot portion of the south wing wall, which rests on clayish gravel. The worn surface of the bed rock was removed by blasting and a cut-off trench was excavated at least one foot into solid rock to provide for a satisfactory bond between the bed rock and the concrete foundation of the dam. At the southerly end of the south wing wall, an impervious carpet of clayish gravel was placed along the front of the concrete foundation for protection against seepage of water through the underlying strata.

Both banks of the main river channel were graded and earth fill was placed where necessary. The island between the main dam and the control dam was raised with earth fill to bring it level with the decks of the new dams. This island may be used later as a recreation area for tourists. The wing walls of the control dam were constructed with earth fill and reinforced concrete retaining walls to serve as a road embankment for approach to the dams.

### **Nestor Falls Dam, Township of Godson, Kenora District**

The existing concrete dam above Nestor Falls, at the outlet of Kakabikitchiwan Lake into Sabaskong Bay, Lake of the Woods, was originally constructed by a lumbering company for timber driving. Since 1954 it has been maintained by the Department of Lands and Forests in the interests of conservation. During an inspection made in 1955 the dam was found to be badly deteriorated and dangerous for operation. In 1956 the Department of Lands and Forests requested reconstruction of the dam.

The new dam was designed in reinforced concrete by the Engineering Staff of this Department. The old dam was located on a narrow strip of rock between a concrete bridge on Highway 70 and the crest of the falls, and was tied in to the concrete wings of the bridge. Because of narrowness of the site, the new dam had to be placed at approximately the same location. The reconstruction was carried out this fiscal year, and the work was completed in November, 1957.

The new dam has two 16-foot sluiceways fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the mean flood water level is 7 feet and the top of the deck is 5 feet 6 inches

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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above this level. The deck is 44 feet long, 11 feet wide, and 12 inches thick. Two pairs of stationary gear winches were installed on the deck for operating the stop logs. A steel pipe hand rail was installed around the deck for safety of operation.

The dam rests on solid rock. The worn-out surface of the rock was removed by blasting and a cut-off trench was excavated at least one foot into solid rock to provide for a satisfactory bond between the bed rock and the concrete foundation of the dam. The road embankments which serve as wings of the dam were improved by placing well consolidated clayish gravel fill at both ends of the new structure. The dry stone masonry retaining walls along both banks of the outlet channel were restored and adjusted as necessary for a satisfactory discharge of water through the dam.

### **Shore Protection at Ontario Hospital, New Toronto**

For protection of the south-east corner of the Hospital property from further erosion, a reinforced concrete protection wall was constructed as an extension of the existing concrete wall, along the shore of Lake Ontario.

The new portion of the wall is approximately 6 feet high. Its length along the shoreline is 57 feet. The top of the wall is at geodetic elevation 252.16. Gravel backfill was placed behind the wall and the slope of the fill was reinforced with broken brick and stone. The wall was based on shale which forms the lake bottom at this location.

### **Nogies Creek Dam, Township of Harvey, Peterborough County**

Repairs were made to the deck and the easterly pier and wing wall of the dam, where deterioration of concrete was observed. To improve the operation of the stop logs, a pair of new stationary gear winches was installed and new winch piers were constructed with reinforced concrete. The winch piers were anchored to the existing concrete deck with expanding anchor bolts. A new steel pipe hand rail was installed around the deck.

### **Dock at Nym Lake Air Base, Rainy River District**

A new dock was constructed for the Department of Lands and Forests at the Air Base on Nym Lake. The dock is L-shaped with the main section 70 feet long and the transverse leg 49 feet long. The approach to the dock from the shore was built as a gravel-filled embankment. It is 75 feet long and 20 feet wide. The dock proper was constructed with steel sheet piling, gravel fill and timber.

The steel sheet piling forms the outer shell of the dock. It was driven through the 6 to 10 feet thick overburden of sand and gravel down to solid rock. Steel channels were welded to the piling to reinforce the top of the sheet pile wall. The two opposite walls were tied together by a system of diagonal and horizontal steel rods to provide for a rigid cross

section of the structure. The space between the steel walls was then filled with gravel and well compacted. The deck of the dock was constructed with 3-inch timber planking, resting on pressure treated creosoted timber stringers. The sides of the dock were covered with 6-inch by 3-inch timber sheeting. All the steel parts above the water level were painted with red lead primer and coal tar enamel. All the timber was either pressure treated with creosote or treated with wood preservative.

The dock was designed by the Engineering Staff of this Department. The work was commenced in August and was completed in November, 1957.

### **Pickerel Lake Dam, Quetico Park, Rainy River District**

Preparation of the site and excavation of bed rock was carried out last year. Pockets of alternate layers of igneous rock and volcanic ash were encountered at the westerly end of the foundation, extending down to about four feet below the surface. By additional excavation, a reasonably impervious layer of rock was uncovered which was accepted as suitable for foundation of the dam.

This fiscal year the construction of the dam with reinforced concrete was proceeded with. An exceptionally high spring runoff in this area made necessary additional work to strengthen the coffer dam and to widen and deepen an additional outlet from the lake. The dam was completed to the extent that it can maintain the lake level within one foot from the desired elevation. With the freezing of the lake and closing of the navigation route from French Lake to the construction site in November, 1957, the work was discontinued and the site was closed for the winter. The concreting of the ends of both wing walls, the plugging of the additional outlet of the lake, and the clearing of the river channel and the construction site will be carried out next fiscal year.

The new dam has four 14-foot sluiceways fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the regulated water level is 10 feet and the top of the deck is 4 feet above this level. The deck is 84 feet long, 13 feet wide and 12 inches thick. A pair of movable gear winches on steel rails were installed on the deck for operation of the stop logs in the four sluiceways.

### **Port Carling Locks, Muskoka District**

The mechanism of the swing bridge was modified for electrical operation. The control box of the mechanism was placed on the bridge itself, and safety lights were installed on the approaches to the bridge.

Timber planking was renewed on the deck of the north-easterly dock and minor repairs to the timber wharves were made where necessary. Landscaping of the Island and the area around the locks was completed.

### **Rydal Bank Dam, Township Plummer Additional, Algoma District**

The Department of Lands and Forests requested that a new dam be constructed across the Thessalon River at the Village of Rydal Bank to replace the former lumbering dams that have maintained water levels in Ottertail and Gordon Lakes and which, after some years of service, have been successively washed away by the flow.





View Showing Two Rows of Steel Sheet Piling Driven into the River Bed Between  
Which the Foundation Slab was Constructed, Rydal Lake Dam,  
Township of Plummer Additional  
ALGOMA DISTRICT

The new dam was designed by the Engineering Staff of this Department. Test drilling to a depth of 30 feet indicated grey clay as the underlying strata, the upper 5 feet of which was in saturated condition. Steel sheet piling was selected for ensuring water tightness and stability of the foundation, and the dam proper was designed in reinforced concrete and earth fill. The steel sheet piling was supplied in September, 1956. The construction work was carried out this fiscal year and was completed on November 15, 1957.

The spillway portion of the dam rests on a reinforced concrete foundation slab 112 feet long, 26 feet wide and 3 feet thick. The foundation slab and the adjoining foundations for the wing walls were enclosed between two rows of steel sheet piling driven 19 feet into the clay. The layer of saturated clay between the two rows of steel sheet piling was removed and replaced by a 3-foot thick layer of gravel fill. This fill was well consolidated into a carpet of clay and gravel which produced the necessary bearing capacity and imperviousness to serve as a satisfactory base for the concrete foundation of the dam.

The total length of the dam, including the earth-filled wing walls, is approximately 550 feet. The concrete spillway portion of the dam is 193 feet long. It has five 14-foot sluiceways fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the maximum water level is 9 feet and the top of the deck is 3 feet 6 inches above this level. The deck is 102 feet long, 12 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of the stop logs in the five sluiceways. A steel pipe hand rail was installed around the deck for safety of operation.

For protection of the river bed below the dam and for "stilling" the tail water, an apron of gravel and rock fill was installed. Along the downstream edge of this apron, an elevated sill was constructed with timber piling 16 feet in length. This sill is located approximately 50 feet downstream from the concrete foundation of the dam.

Both banks of the new reservoir, and the outflow channel were graded and gravel fill was placed where necessary.

#### **Sasajewun (McCoy) Lake Dam, Canisbay Township, Nipissing District**

This dam was reconstructed last fiscal year. This year the slopes of the earth-filled wing walls were re-graded and the gravel-filled cones at the entrance and the outlet of the sluiceway were reinforced with rip-rap.

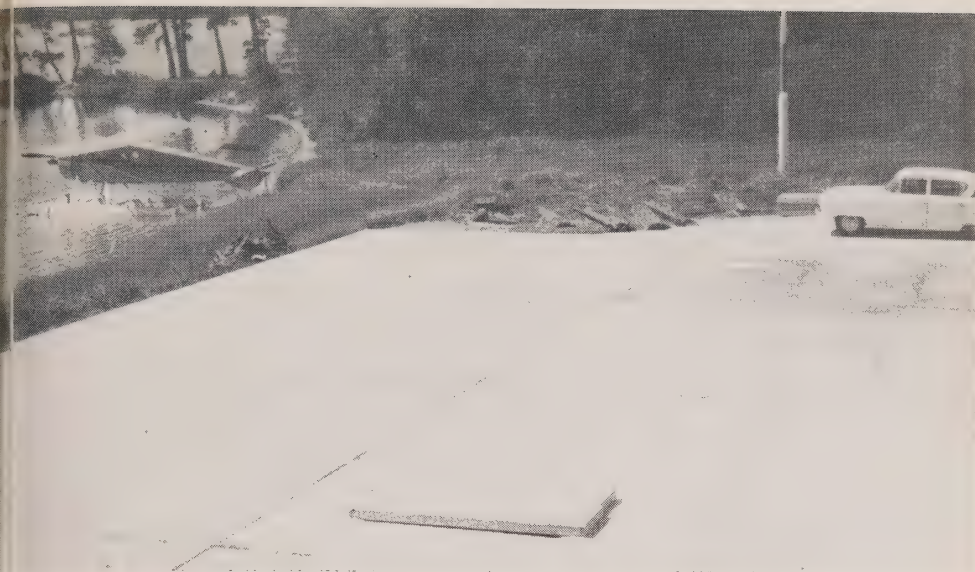
#### **Scott's Dam, Township of Patterson, Parry Sound District**

The dam across the Restoule River at the outlet of Patterson Lake was originally built many years ago by a lumbering company for logging operations. In 1938 it was washed out by floods and was abandoned by the lumbering companies. In 1942 the dam was reconstructed by this Department as a rock-filled timber crib structure to facilitate navigation between Patterson Lake and Watt Lake. In 1955 the dam was found to be in disrepair and unsafe for operation. In November, 1955, the Department of Lands and Forests requested reconstruction of the dam.

There is no road to the dam site, and building of an access road over the difficult terrain of this area was not feasible. Because of this, transportation by water was necessary for a distance of five miles. This fiscal year the construction of the sluiceway portion of the new dam was carried out. It was constructed with reinforced concrete as designed by the Engineering Staff of this Department. The new sluiceways are located at the northerly end of the dam. The main portion of the existing timber crib dam was left in place to serve as an overflow wing wall and is 110 feet long. With the freezing of the water route, the work on the construction site was discontinued and some improvements to the timber wing wall will be carried out next fiscal year. The sluiceway portion of the dam was completed and put in operation on October 31st, 1957.

The outlet channel across which the sluiceways were constructed was deepened and widened by excavation, as necessary for the discharge of flood water. The excavation was carried out in rock, and the concrete foundation of the new dam was placed on a freshly uncovered surface of hard and seamless rock.





A Sectional View of the Aircraft Hangar Platform, Sioux Lookout  
KENORA DISTRICT

The new concrete portion of the dam is 86 feet 4 inches long. It has three 14-foot sluiceways fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the controlled water level is 6 feet 6 inches and the top of the deck is 5 feet 6 inches above this level. The deck is 66 feet long, 11 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of the stop logs in the three sluiceways. A steel pipe hand rail was installed around the deck for safety of operation.

#### **Sioux Lookout Aircraft Hangar Platform, Kenora District**

A steel sheet pile retaining wall around the Department of Lands and Forests Air Base platform in Sioux Lookout was constructed last fiscal year. This year cutting and welding was carried out for finishing the top of the retaining wall and the deck of the platform was reconstructed with reinforced concrete. The existing timber supports, stringers and flooring were removed. Gravel fill was brought in and well consolidated, and a 9-inch reinforced concrete slab was placed in 26-foot by 30-foot sections. A grease and repair pit, 3 feet by 7 feet by 3 feet deep, was constructed in reinforced concrete and a drainage system was installed for disposing of the surface run-off. The work was completed in August, 1957.

#### **Tasso Lake Dam, Finlayson Township, Nipissing District**

The easterly wing of the dam which was constructed in 1954-55 with earth fill and concrete core wall was flooded and washed out during Hurricane Audrey on June 30, 1957. The wing wall was reconstructed with earth fill and rip-rap. The work was completed and the dam made ready for operation on August 2nd, 1957.





View Showing Massive Stone Shore Protection and Service Road, Ontario Hospital  
WHITBY

### Tea Lake Dam, Nipissing District

During the flood caused by the Hurricane Audrey on June 30, 1957, water up to three feet deep was running over the wing walls of the dam, which inflicted damages to the earth fill at the ends of the wing walls. This was repaired with gravel and earth fill. A pair of new stationary gear winches was installed on the deck for operation of the stop logs.

### Shore Protection at Ontario Hospital, Whitby, Ontario County

For protection of the Hospital grounds against further erosion, a protection wall 1,000 feet in length was constructed this fiscal year along the shore of Lake Ontario in front of the Administration Building. The shore at that location is formed by a cliff composed of sand, clay and silt with some boulders. The rate of erosion of the cliff was observed to be about 1.3 feet per year. Along with new investments for Hospital buildings and sanitary and other installations, protection of the Hospital property was considered necessary.

The protecting wall was designed by the Engineering Staff of this Department and a contract was awarded for the construction work. The wall, approximately 9 feet high, has its top at geodetic elevation 255.00, 7 feet above the future maximum water level of the lake. The front portion of the wall was constructed of massive quarry stone, 3 to 8 tons each in weight. The stone was placed as dry masonry on the boulderous overburden of the lake shore. Behind the massive stone, a filter of smaller stone and a backfill of gravel were placed. The top of the wall, including

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backfill, is approximately 30 feet wide, and can serve as a roadway. This type of protection wall should withstand the direct impact of the waves, and should be porous enough to insure adequate drainage of the surface run-off as well as of the water which percolates through the cliff.

## Current Repairs and Minor Construction Work

Regular maintenance of dams, docks, locks and navigable channels was carried out, and repair and minor construction work was done where necessary. The stop log winches were renewed and the approach wing wall was reinforced with gravel fill at Joe Lake Dam, Nipissing District; lowering of the southerly wing wall by 18 inches was carried out at Frood Lake Dam, Sudbury District; the earth-filled wing walls were repaired at West Harry's Lake Dam, Nipissing District; a temporary rock-filled plug dam was installed as an improvement to the American Trail Dam, Hastings County; a leakage through the bed rock at the end of the northerly wing wall was plugged at Mount Lake Dam, Algoma District; treating of timber with wood preservative and renewal of stop logs was done at Kearney (Ayers) Dam, Parry Sound District; minor repairs to wing walls and painting of steel parts were effected at Dutchman's Dam, Parry Sound District. Overhauling of stop log winches and painting of steel parts of dams and locks were carried out where necessary.

Timber booms were repaired and replaced in front of 14 dams. Driftwood was removed from 24 dams.

The construction equipment was overhauled and repaired and made ready for use in the ensuing season.

## AID TO NAVIGATION

210 drum buoys and 60 spar buoys were placed on the navigation routes in the area of the Muskoka, Rosseau and Joseph Lakes; 18 drum buoys were placed in Ahmic Lake; 26 drum buoys were placed on the navigation route of Lake Cecebe and the Magnetawan River, and 9 drum buoys were placed in the Fairy and Vernon Lakes and the Muskoka River.

15 new warning signs indicating danger to navigation because of fast current, were placed in navigable channels.

## LOCKAGES

The records of watercraft which were passed through the three Provincial Government operated locks are as follows:

	<i>Steamers</i>	<i>Small Boats</i>	<i>Scows</i>	<i>Rafts</i>	<i>Total</i>
Port Carling	341	7,675	117		8,133
Huntsville		815			815
Magnetawan		312			312
	341	8,802	117		9,260

# PROVINCIAL AID TO DRAINAGE

## Grants Paid During the Fiscal Year 1957-1958

<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Brant	Burford	1	\$ 1,472.22
Bruce	Albemarle	1	4,541.60
Bruce	Arran	3	2,894.93
Bruce	Culross	1	1,673.98
Bruce	Eastnor	1	1,586.43
Bruce	Elderslie	1	1,218.33
Bruce	Huron	1	1,077.02
Bruce	Kinloss	2	3,477.45
Carleton	Gloucester	2	2,108.62
Carleton	North Gower	1	2,813.33
Carleton	Osgoode	4	6,289.18
Dufferin	Amaranth	3	1,735.53
Dufferin	East Luther	2	1,126.09
Dufferin	Melanethon	1	1,020.71
Dundas	Williamsburg	5	8,282.11
Dundas	Winchester	1	1,194.52
Elgin	Aldborough	10	7,080.59
Elgin	Bayham	2	4,659.55
Elgin	Dunwich	10	6,473.61
Elgin	Southwold	9	25,488.55
Elgin	Yarmouth	1	231.21
Essex	Anderdon	2	2,007.09
Essex	Colchester North	8	8,381.85
Essex	Colchester South	4	2,324.17
Essex	Gosfield North	2	3,715.68
Essex	Gosfield South	2	1,121.03
Essex	Maidstone	1	650.60
Essex	Malden	2	1,453.26
Essex	Mersea	7	7,431.48
Essex	Pelee	3	5,260.90
Essex	Rochester	4	7,765.30
Essex	Tilbury North	7	13,590.34
Essex	Tilbury West	2	1,891.13
Glengarry	Lancaster	3	2,483.85
Glengarry	Lochiel	3	2,412.89
Grenville	Oxford-on-Rideau	1	1,163.12
Grenville	South Gower	1	793.95
Haldimand	Moulton	4	6,066.41
Huron	Colborne	1	1,179.09
Huron	Grey	8	5,544.71
Huron	Hay	3	1,639.28
Huron	Howick	7	4,782.20
Huron	Morris	5	10,349.63
Huron	Stanley	2	1,281.92
Huron	Stephen	11	13,362.02
Huron	Tuckersmith	3	5,669.64
Huron	Turnberry	2	2,458.77



# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Huron	Usborne	1	574.47
Kent	Camden	8	5,281.76
Kent	Chatham	3	5,049.15
Kent	Dover	7	5,235.92
Kent	Harwich	28	9,290.34
Kent	Howard	15	9,062.63
Kent	Orford	2	644.83
Kent	Raleigh	9	6,752.37
Kent	Romney	7	6,903.17
Kent	Tilbury East	11	8,655.50
Kent	Zone	8	6,245.99
Lambton	Brooke	4	3,921.90
Lambton	Dawn	6	3,184.90
Lambton	Enniskillen	7	18,729.01
Lambton	Euphemia	10	4,408.89
Lambton	Moore	1	245.67
Lambton	Oil Springs (Village)	1	3,413.78
Lambton	Plympton	9	10,286.37
Lambton	Sarnia	3	1,519.98
Lambton	Sombra	7	4,464.96
Lambton	Warwick	3	3,282.75
Middlesex	Adelaide	1	2,457.29
Middlesex	Biddulph	3	4,583.54
Middlesex	Caradoc	4	4,670.09
Middlesex	Delaware	1	681.02
Middlesex	Ekfrid	4	2,200.17
Middlesex	Lobo	1	429.00
Middlesex	London	10	11,590.41
Middlesex	McGillivray	1	1,871.24
Middlesex	Metcalfe	4	2,051.47
Middlesex	Mosa	11	7,973.98
Middlesex	North Dorchester	5	9,332.06
Middlesex	Parkhill (Town)	1	551.87
Middlesex	Westminster	3	1,554.17
Middlesex	West Nissouri	6	24,178.63
Nipissing (District)	Caldwell	1	5,035.63
Norfolk	Charlotteville	2	2,402.55
Norfolk	Middleton	3	2,341.06
Norfolk	South Walsingham	1	1,097.83
Norfolk	Townsend	1	1,665.65
Norfolk	Windham	4	4,363.20
Oxford	Blandford	1	575.11
Oxford	East Nissouri	1	873.53
Oxford	East Zorra	1	555.00
Perth	Downie	6	4,725.47
Perth	Ellice	13	6,288.92
Perth	Elma	1	1,250.58
Perth	Fullarton	1	1,108.95

<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Perth	Hibbert	2	3,450.64
Perth	Logan	7	4,464.11
Perth	Mornington	8	8,388.28
Perth	North Easthope	6	6,418.46
Perth	Wallace	2	3,750.34
Prescott	Caledonia	1	2,096.67
Russell	Russell	1	1,503.47
Simcoe	Matchedash	1	1,252.11
Simcoe	Medonte	1	695.58
Simcoe	Tecumseth	2	1,428.45
Stormont	Cornwall	1	865.51
Stormont	Finch	3	3,183.26
Stormont	Roxborough	3	4,037.20
Waterloo	Wellesley	5	4,757.49
Waterloo	Woolwich	4	4,558.19
Welland	Thorold	1	367.64
Welland	Wainfleet	1	412.88
Wellington	Maryborough	5	5,149.34
Wellington	Minto	2	3,470.89
Wellington	West Luther	2	4,604.13
York	King	5	8,878.49
		464	\$498,522.76

### TERRITORIAL DISTRICTS — NON-MUNICIPAL

The Provincial Aid to Drainage Act, 1954, allows for financial assistance up to eighty per cent. of the cost of approved drainage works in unorganized Townships in Territorial Districts and Provisional Counties. The remaining twenty per cent. of the cost is paid by the owners of the benefiting lands. Financial assistance under the provisions of The Provincial Aid to Drainage Act, 1954, amounted to \$8,184.89 on eleven drainage schemes, as follows:

<i>District</i>	<i>Township</i>	<i>Schemes</i>	<i>Amount</i>
Cochrane	Clute-Calder	1	\$ 381.76
	Devitt	1	614.87
	Lamarche	1	145.96
	Kendall	3	1,826.68
Manitoulin	Campbell	1	564.42
Nipissing	Kirkpatrick	1	394.66
	Macpherson	1	2,016.72
Parry Sound	Pringle	2	2,239.82
		11	\$8,184.89

These projects were all surveyed, assessments, plans and specifications prepared, tenders invited, contracts awarded, and construction supervised by the Department.

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1958

## MUNICIPAL DRAINAGE

Grants totalling \$4,811.75 were paid in aid of Municipal Drainage in the following localities:

<i>County</i>	<i>Township</i>	<i>Grant</i>
Renfrew	Alice and Fraser	\$ 504.00
	Stafford	339.00
	Wilberforce	342.00
Simcoe	Matchedash	330.50
	Medonte	208.25
	Sunnidale	3,088.00
		<hr/>
		\$4,811.75

## REMEDIAL WORKS

Grants totalling \$6,194.12 were paid in aid of Remedial Works in the following localities:

<i>County or District</i>	<i>Location</i>	<i>Grant</i>
Cochrane	Shackleton and Machin	\$1,000.00
Kent	Harwich	1,000.00
Lambton	Moore (Corunna Village)	3,000.00
Nipissing	East Ferris	220.12
Parry Sound	Ryerson	974.00
		<hr/>
		\$6,194.12

## ROADS, ETC.

Roadwork, etc., to the extent of nearly One-half Million Dollars was carried out at various Government establishments during the fiscal year, as follows:

<i>Department</i>	<i>Construction</i>
<b>Agriculture</b>	
Guelph,	Grading access roads.
Ontario Agricultural College.	
Guelph,	Asphalt paving of College Avenue, main entrance road and parking area; concrete curbing and walks.
Ontario Veterinary College.	
Vineland,	Asphalt paving of service roads and curbing; storm water drainage.
Horticultural Experiment Station.	
<b>Attorney General</b>	
Kaladar,	Asphalt paving of frontal area; concrete curbing; storm water drainage; sodding and rip-rapping.
Ontario Provincial Police.	
Ottawa,	Excavating and gravel surfacing of drive-ways and parking area.
Ontario Provincial Police.	



## Education

Hamilton,  
Institute of Technology.  
Peterborough,  
Teachers' College.  
Toronto,  
Huron Street.  
Toronto,  
Provincial Institute of Trades.

## Health

Aurora,  
Ontario Hospital.  
Cobourg,  
Ontario Hospital.

Hamilton,  
Ontario Hospital.

Kingston,  
Ontario Hospital.  
London,  
Ontario Hospital.  
Orillia,  
Ontario Hospital School.

Port Arthur,  
Ontario Hospital.

Woodstock,  
Ontario Hospital —

Old Section

Old T.B. Unit

New T.B. Unit

## Lands and Forests

Rondeau Park.

White Lake Fish Hatchery.  
Reform Institutions  
Millbrook.

## Ontario Water Resources Commission

Pine Point Laboratory.

Asphalt paving of driveway and gravel  
surfacing of parking area.

Asphalt paving of main entrance and play  
area.

Re-grading and gravel surfacing of parking  
area.

Gravel surfacing of parking area.

Asphalt paving of main entrance.

Asphalt paving of service roads; concrete  
curbing and walks; storm water drainage;  
gravelling of parking area.

Asphalt paving of entrance and service  
roads and parking area; gravel surfacing  
of parking area.

Installing section of main storm drain.

Asphalt paving of courtyard and storm  
water drainage.

Asphalt paving of service roads and court-  
yards; concrete curbing; storm water  
drainage; gravelling of parking areas.

Asphalt paving of roads; concrete curbing;  
storm water drainage.

Asphalt paving of roads; re-locating con-  
crete sidewalks.

Asphalt paving of roads, drives, walks and  
parking areas.

Excavating and gravelling of main  
entrance road and courtyard.

Resurfacing with asphalt a widened main  
entrance and perimeter roads.

Gravel filling a low area for public parking.

Asphalt surfacing of new roads; storm  
water drainage and sodding.

Construction of gravel entrance road and  
large culverts.

Respectfully submitted,

*W. L. Rice*

Chief Hydraulic Engineer.

# REPORT OF THE CHIEF SANITARY ENGINEER

---

Parliament Buildings,  
Toronto, Ontario,  
March 31, 1958.

Mr. J. D. Millar,  
Deputy Minister (Engineering),  
Department of Public Works.

## RE: CHIEF SANITARY ENGINEER'S REPORT, 1957-58

Throughout the year all of the existing Sanitary Installations, which consist of Waterworks Systems, Sewers, Sewage Disposal Plants, etc., at the various Schools, Hospitals and Institutions throughout the Province, were maintained in good operating condition.

At the Ontario Hospital, Whitby, the Storm and Sanitary Sewage Systems were completely rehabilitated and sections reconstructed where necessary; a new Storm Water Pumping Station was also constructed. The sewers were also revised and constructed to serve the large additions planned for the Administration Building. A similar but smaller maintenance construction programme was carried out on the sewers at Ontario Hospital, Orillia. Two elevated Steel Water Tanks were repaired and re-painted.

During the year many new Buildings were constructed at the larger Ontario Hospitals, the Ontario Agricultural and Veterinary Colleges, and at other Institutions, also new Provincial Police Detachments, Houses, Department of Highways Patrol Garages, etc. In each case services were designed and constructed by Contract or by Department forces.

Designs were made and working drawings completed for the following large Works Contracts which are to be carried out this year:

### **Boys' Training School, Bowmanville**

A new modern Sewage Disposal Plant was constructed to replace the existing one, which was inadequate.

### **Boys' Training School (Strathmore House), Cobourg**

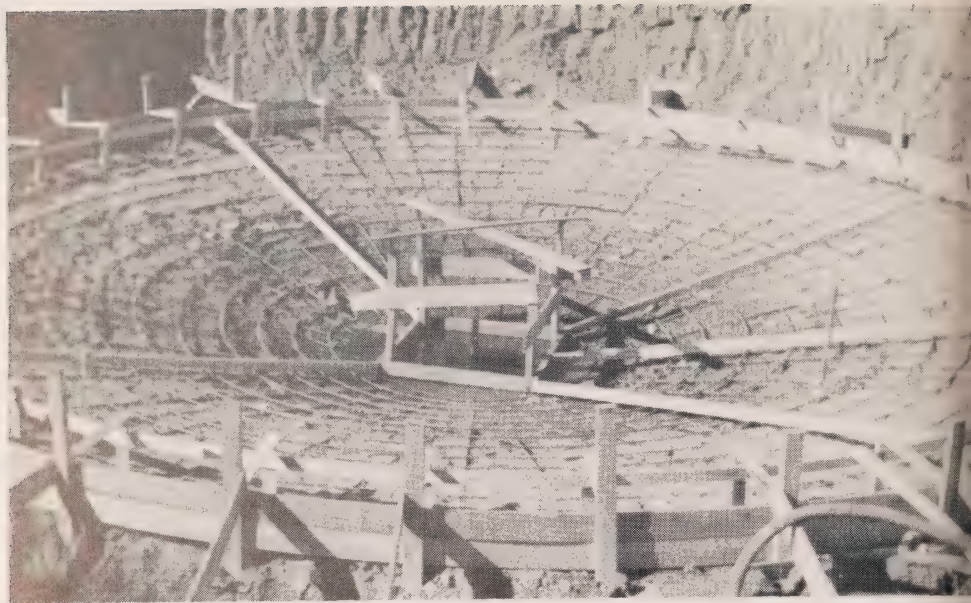
Installation of a new Sanitary Sewage Pumping Station, together with necessary gravity sewer and force main. This will discharge the sewage into the Town sewers and eliminate two troublesome septic tanks.

### **Ontario Hospital, Hamilton**

Reconstruction of certain sewers which are very old and in poor condition, also presently overloaded due to construction of new buildings. This work will include construction of new manholes and catch basins and general rehabilitation of sewers and appurtenances.

### **Industrial Farm, Burtch**

Construction of a new reinforced concrete Water Reservoir of adequate capacity to replace existing old wood stave tank.



View of Construction Progress showing the Reinforcing Steel in place at the bottom of the Digester Trench, Sewage Disposal Plant, Ontario Hospital

PENETANGUISHENE

### **Industrial Farm (Camp 5), Burwash**

Construction of a new modern Sewage Disposal Plant.

### **Ontario Reformatory, Mimico**

Construction of a new and complete Storm Sewage System.

### **Ontario Agricultural and Veterinary Colleges, Guelph**

Installation of two separate and independent Storm Sewage Systems which will adequately serve both Colleges.

### **McFarlane Lake Building Site, near Sudbury**

This site has a 550-foot frontage on Highway 69 and runs back nearly a mile to McFarlane Lake. This site will accommodate the Provincial Police and the Departments of Public Works, Highways, and Lands and Forests. The waterworks consists of an intake, an underground reservoir, pumping station and a system of distribution mains, with hydrants for fire protection. Construction of the Storm Sewage System, including a pumping station which will discharge into the Lake, will commence early in April. Construction of the Sanitary Sewage System will be commenced in the early summer. Design of the Sewage Disposal Plant and mile-long force main was commenced in March.

Larger construction projects completed during the year are as follows:

### **Ontario Hospital, Penetanguishene**

A new Sewage Disposal Plant of the modern mechanical type was completed and put in operation.





View of the New Disposal Plant, Ontario Hospital  
WHITBY



View of the Sludge Drying Beds at the Sewage Disposal Plant, Ontario Hospital  
WHITBY

## **Ontario Hospital, Whitby**

A similar, but larger, Sewage Disposal Plant to the one at Penetanguishene was under construction all winter and will be completed early in May of 1958.

## **Department of Land and Forests Experimental Station for Fish, South Bay Mouth, Manitoulin Island**

Installation of a complete Waterworks System which includes an intake into the Lake, a wet well and pumphouse which houses domestic and fire pumps, and a system of mains.

## **Department of Lands and Forests Thunder Bay Nursery**

A complete irrigation system which will serve 120 acres, including pumping equipment, was put in operation. This will facilitate the growth and production of several hundred thousand seedling trees yearly.

During the year at various locations throughout the Province 28 deep wells were drilled, developed and brought into production. Twenty-five of these wells were of small and medium capacity, i.e., with production of from 5 to 40 Imperial gallons per minute. In each of these cases suitable automatic domestic pressure systems were supplied and installed. The other three wells produce from 200 to 300 Imperial gallons per minute; a large electric-driven turbine pump has been installed in the largest of these wells, the other two units will be installed in May.

At the Ontario Reformatory, Brampton, and the Ontario Hospital, Orillia, a complete site survey was carried out from which a site plan was drawn up showing all buildings, roads, sidewalks, fences, curbs, etc., and all underground services.

Respectfully submitted,

  
P.Eng.,

Chief Sanitary Engineer.

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*Compiled and Edited by*

A large, stylized handwritten signature in black ink, reading "N. Mitchell," with a long horizontal flourish extending to the right.

NIMMO MITCHELL

DIRECTOR OF PUBLICITY

DEPARTMENT OF PUBLIC WORKS, ONTARIO





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56

Ontario, Public Works, Rept. of

# Report

of the

Minister of Public Works

for the

Province of Ontario

for the

Twelve Months Ending March 31st, 1959

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

PRINTED AND PUBLISHED BY BAYNIST JOHNSTON, PRINTER TO THE  
QUEEN'S MOST EXCELLENT MAJESTY, 1959



# *Report*

*of the*

## *Minister of Public Works*

*for the*

### *Province of Ontario*

*for the*

*Twelve Months Ending March 31st, 1959*

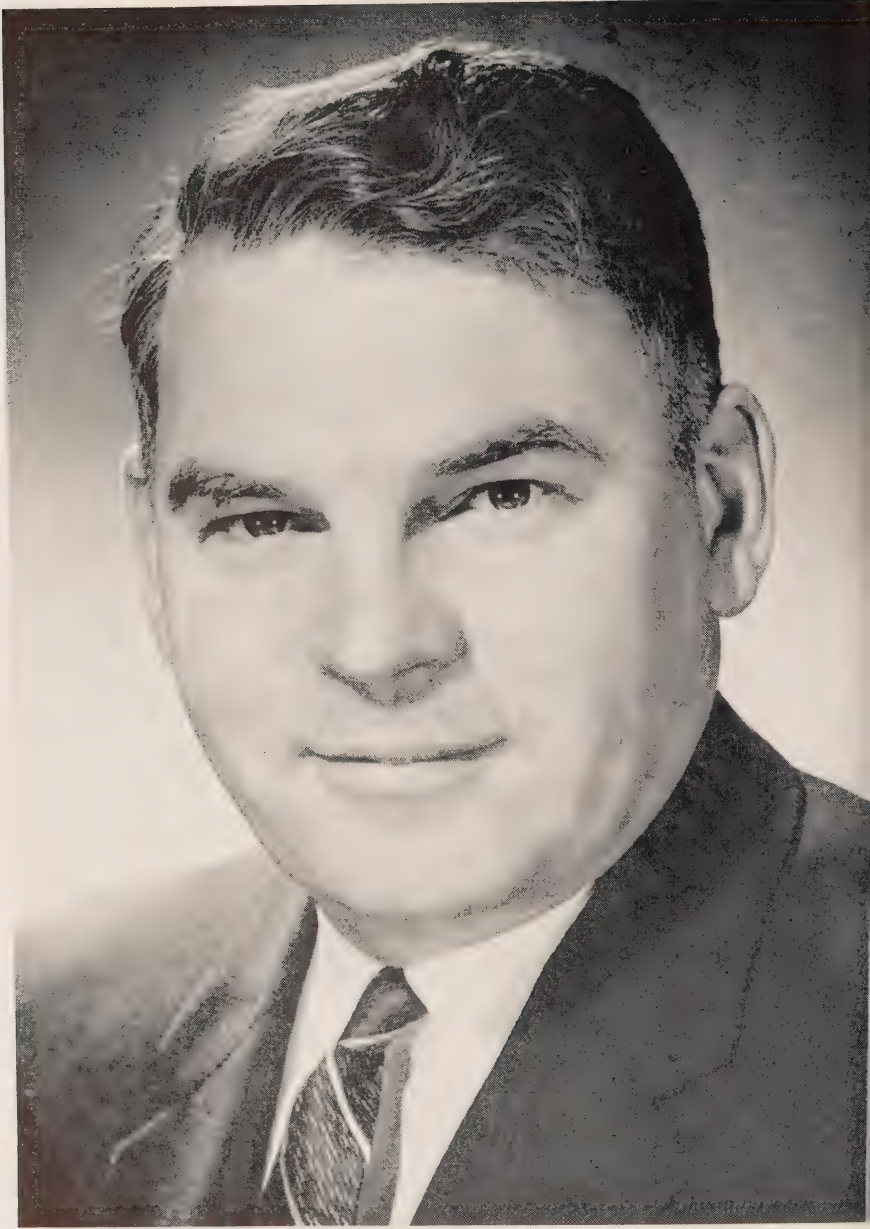
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SESSIONAL No. 14 — 1959



TORONTO

PRINTED AND PUBLISHED BY BAPTIST JOHNSTON, PRINTER TO THE  
QUEEN'S MOST EXCELLENT MAJESTY, 1959





THE HONOURABLE T. RAY CONNELL

MINISTER OF PUBLIC WORKS, ONTARIO

To:

THE HONOURABLE J. KEILLER MACKAY,  
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under control of the Public Works Department, comprising the report of the Deputy Minister, for the twelve months ending the 31st of March, 1959.

Respectfully submitted,

A handwritten signature in dark ink, reading "Edy Connell". The signature is written in a cursive, flowing style with a large initial "E" and "C".

Minister of Public Works.

Department of Public Works, Ontario.  
Toronto, March 31, 1959.





## **DEPARTMENT OF PUBLIC WORKS MINISTERIAL AND SENIOR DEPARTMENTAL APPOINTMENTS IN 1958-59**

The Honourable James N. Allan, B.S.A., Provincial Treasurer, was called upon to assume the responsibilities of the Minister of Public Works during May, 1958, when that post was vacated by the Honourable William Griesinger, M.C., V.D., LL.D. Mr. Allan wore the dual mantle of Provincial Treasurer and Public Works Minister until December 22, 1958, when the latter portfolio was invested upon the Honourable Thomas Ray Connell, former Minister of Reform Institutions.

On January 1, 1959, Mr. John D. Millar was appointed Deputy Minister of this Department to succeed Mr. George N. Williams, M.R.A.I.C., who retired from the dual post of Deputy Minister and Chief Architect of the Department of Public Works on November 25, 1958.

Also at the beginning of the year, Mr. Douglas Glenn Creba, B.Arch., M.R.A.I.C., was appointed Chief Architect of the Department of Public Works to succeed Mr. George N. Williams, M.R.A.I.C., following the latter's retirement after forty-four years tenure of office with the Ontario Government Services.

# REPORT

## OF THE

### DEPUTY MINISTER OF PUBLIC WORKS

---

THE HONOURABLE T. RAY CONNELL, M.P.P.,  
Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

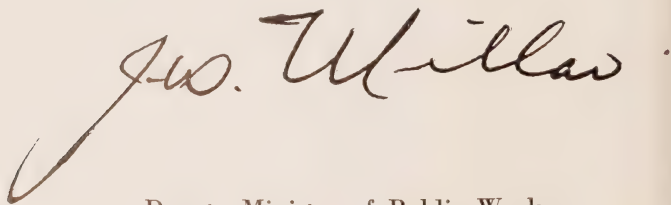
Sir:

I have the honour to submit to you the accompanying report of the Chief Architect, the Chief Property Valuator, the Accountant, the Chief Hydraulic Engineer and the Chief Sanitary Engineer, for the fiscal year, April 1, 1958, to March 31, 1959.

In presenting this report, I desire to take the opportunity to extend my thanks and appreciation to you for your co-operation when dealing with all matters pertaining to the administration of this Department, and also to thank the members of the staff of the Department of Public Works for their assistance in carrying out our greatly expanded programme during this past year.

I have the honour to be, Sir,

Your obedient servant,

A handwritten signature in dark ink, reading "J.W. Millar". The signature is written in a cursive style with a large, sweeping initial "J" that extends downwards and to the left.

Deputy Minister of Public Works.

Toronto, March 31, 1959.

# REPORT OF THE CHIEF ARCHITECT

---

To:  
THE HONOURABLE T. RAY CONNELL, M.P.P.,  
Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

Dear Sir:

I have the honour to report on the work carried out by the Chief Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1958, to March 31st, 1959.

The report of the Chief Architect deals in detail with the many types of construction projects undertaken by Public Works to meet the requirements of the various Governmental Departments. The extensive schedule of work already implemented for the Department of Health in the erection of new Mental Hospitals to increase the bed accommodation for Patients was further added to. Impetus was given to the Department of Education in the construction of many new buildings to provide additional Teachers' Colleges and various other specialized educational institutions throughout the Province. Many new buildings were constructed for the Attorney General's Department to provide administrative offices and detachment buildings for the Ontario Provincial Police at many key centres. The programme of new construction for the Department of Highways has also been an extensive one. The Department has also proceeded with additions to Ontario Reformatories, buildings for the Department of Agriculture, and numerous projects for the Department of Lands and Forests throughout Northern Ontario.

Renovations and fireproofing of many of the older buildings have been undertaken and this work is continuing, as well as a large amount of repair work necessary to maintain the public buildings in a reasonably good state of repair.

## LEGISLATIVE AND DEPARTMENTAL BUILDINGS

### Parliament Buildings, Main Building and North Wing

Repairs and pointing to exterior stone on the west wing of the Main Building were undertaken. The Provincial Secretary's office was redecorated and the waiting room of the Prime Minister's offices was redecorated and new furnishings supplied. A new washroom was completed for the Speaker's offices and the suite redecorated. An air conditioning unit was also installed in the Speaker's apartment. Partitions were erected in rooms 255, 257, 287 and 288 for the use of the Ontario Hospital Services Commission. Alterations to provide temporary office space in the basement of the North Wing were completed and at Vault B-61 renovations were completed which included improvements to the lighting, repairing and repainting of walls and ceilings. Additional renovations in the basement were undertaken to provide accommodation for Ontario Provincial Police officers. An art and storage shop was installed in the Main Building.



The kitchen was painted and wooden panels cleaned in the Ministers' dining room.

Renovations including partitions, lighting, new washrooms and furnishings were completed in the Opposition Offices. Partitions were removed, lighting improved, and walls, ceilings and floors painted in Vaults B-10, 12 and 17 in the North Wing. A storage room for plans was arranged in Vault 60 of the Main Building for the Department of Public Works; new carpet was laid in room 216 of the North Wing; lighting was improved in rooms 203, 204, 205 and 207 with new washrooms installed off room 207.

### **East Block**

Considerable renovation work was undertaken in the East Block during this fiscal year. This work included renovation of first floor offices 1508-10-12 for the Registrar of Motor Vehicles and rooms 1606-08-10-12 for use of the Minister of Transport. Acoustic ceilings were installed in rooms 4507-08 and 09; partitions were erected in various offices; the cafeteria kitchen and bakeshop were painted and the dining room washed; ventilation fans were installed in Vaults 1418, 2415 and 6318. The Department of Lands and Forests projection room was completely renovated and the blueprinting room of the Department of Mines covered with lino and the outer office painted. Repairs were made to the roof; drinking fountains were replaced on the sixth floor with modern wall type fountains and partitions were erected and cupboards constructed for use of the Interior Design Section of the Department of Public Works on the sixth floor. Offices of the Deputy Minister, his Executive Officer, the Chief Architect and others of the Department of Public Works were re-decorated and furnishings cleaned etc. The Department of Public Works drafting rooms were painted and improved lighting installed. The suite of offices for the Minister of Highways was painted and furnishings cleaned. Painting is in progress in halls, corridors and stairways.

### **7 Queen's Park Crescent**

Floors in the front section of the building were levelled and repairs made to the floors and the water lines in the basement. New floor covering was laid in the director's office, Department of Health, on the third floor and several rooms on the first and fourth floors were painted. Repairs to plumbing and services were carried out, and floors on the main floor were repaired and re-covered.

### **11 Queen's Park Crescent**

Partitions were relocated on the first floor to improve the working conditions in that area; drapes and blinds in rooms 612-613 were cleaned and the rooms redecorated; repairs were made to the main and basement floors; partitions were erected and rooms 309 and 310 painted. Rooms 319 and 320 were painted. Partitions from room 110 were removed and relocated in room 108 and repairs were made to fittings on exterior metal doors. Draft deflectors were installed on some windows.

### **13 Queen's Park Crescent**

Repairs to plumbing and general maintenance work were carried out.

Repairs were made to the roof and the water lines were renewed.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

### **15 Queen's Park Crescent**

Painting of the first and second floors was carried out, several rooms were painted and floor covering laid in upstairs rooms, and general maintenance and repairs to plumbing undertaken.

### **18 Surrey Place**

The first floor and basement were renovated and a repair shop for the Diesel Electric Branch of the Department of Public Works set up. Repairs were made to the roof, the concrete floor was patched, and interior walls and offices painted. The motor exhaust system was improved and the motor repair section was moved to the westerly end of the building.

### **20 Surrey Place (Department of Highways Garage)**

Eavestroughs were installed, the roof repaired and exterior painting of the garage walls completed. The fume exhaust system was relocated.

### **21, 23, 25, 27 Surrey Place**

Alterations, including the cutting of communicating arches between No. 21 and No. 25 on three floors, and construction of work-type bench cupboards, were completed. Signs and maintenance services were provided.

### **72-74 Wellesley Street**

Lighting facilities were improved, and all services and buildings maintained in a good state of repair. Demolition of the building known as 72 Wellesley Street West, and clearing of the site for utilization as a parking lot, was completed and the parking area put into operation. Minor repairs were carried out at 74 Wellesley Street.

### **15-35 Breadalbane Street**

A License Bureau was established in this building for a temporary period of two months to meet the requirements of the Department of Transport. Personnel moved into the premises on January 30, 1959, in order to cope with the pressure of issuance of 1959 car licenses and plates.

### **67 College Street**

Renovations on the first floor, consisting of alterations to partitions and redecorating in the former Cobalt Bomb area, for the Department of Travel and Publicity, were completed.

### **125 Fleet Street East (Ontario Provincial Police General Headquarters Building)**

Ground floor renovations at the new General Headquarters Building of the Ontario Provincial Police were substantially completed, and alterations to the kitchen and other minor changes are underway. Gasoline tanks were installed.



View of the Interior of the Garage, Ontario Provincial Police General Headquarters' Build  
125 FLEET STREET EAST, TORONTO

### **28-30 Grosvenor Street**

Renovation of the front portion of the second floor at No. 30 Grosvenor Street to provide offices for the contract and personnel records division of the Ontario Water Resources Commission was completed. Renovations to the third floor at No. 30 were completed. As of December 1st, 1958, the office of the Stores Accountant supervising the accounting, audit and operation of Costed Stores of construction material throughout the Province was removed from Mimico and relocated at 30 Grosvenor Street.

### **34 Grosvenor Street**

Replastering and redecorating on the second and third floors was completed for the District Engineers and Sanitation Branch of the Ontario Water Resources Commission, and an air conditioning unit was installed on the third floor. The ground floor and basement sections were allocated to the Department of Health for use in observation and diagnosis of mentally retarded children. Renovation of this section was complete near the end of this period, and redecoration of two rooms at the rear of the premises to provide a board room and stationery storage room was in progress.





or View of No. 1 Appeal Court following Extensive Renovations and Complete Redecoration  
OSGOODE HALL, TORONTO

## 206 Huron Street (Department of Education)

Repairs to fire and water damage caused by a fire occurring on March 19, 1958, were completed. External masonry repairs to wing walls fronting on College Street were completed, and waterproofing of basement walls in various storage rooms was undertaken. Temporary re-surfacing of the general parking lot for 206, 210 and 212 Huron Street was completed.

A special folding, dismantling, three-wing display board was constructed for use of the Community Programmes Branch. Shelves and cupboards were constructed and installed for the Correspondence Department.

## Osgoode Hall

Structural alterations and internal office construction progressed to provide three new Judges' Chambers on the ground floor of the North-West Wing, and major office alterations for the Registrar and Deputy Registrar of the Supreme Court of Ontario were undertaken. Work is continuing at No. 1 Appeal Court where woodwork is being changed to a fumed-oak finish, in addition to redecoration, new type windows, benches, chairs, desk tops, etc. A permanent paint shop was constructed in a new location in the basement to comply with the Fire Marshal's recommendations.



Sectional View of the Senior Master's Office, Osgoode Hall  
TORONTO



Interior View showing recent Renovation and Refurnishings in one of the Supreme Court  
Offices, Osgoode Hall  
TORONTO





View of the newly acquired old Canadian Oil Company Building  
204 RICHMOND STREET WEST, TORONTO





Interior View showing Major Renovation Work in progress on the newly acquired old Canadian Oil Company Building  
204 RICHMOND STREET WEST, TORONTO

## **160-168 Richmond Street West (Department of Lands and Forests)**

Alterations and renovation of two houses, recently acquired for the Department of Lands and Forests, were completed.

## **204 Richmond Street West**

Complete renovation of the old Canadian Oil Building, comprising six storeys, was undertaken and is nearing completion. The building is located at the north-westerly corner of Simcoe and Richmond Streets. The programme of renovation includes erection of new partitions, two new fire stairs at the easterly and westerly ends of the building, two new elevators, installation of general plumbing fixtures, electrical roughing in, terrazzo and tile work in the washrooms, and general finishing and painting of the entire building. Occupants will be the Teachers' Superannuation Commission on the first floor, with the remainder of the building consisting of the second, third, fourth, fifth and sixth floors occupied by the Department of Municipal Affairs. Progressive work was maintained on new layouts, partitions and floors throughout the year and on mechanical and electrical trades.

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

## **8 York Street (Department of Labour)**

Formwork for reinforced columns and floor slab is nearing completion on the construction of a one-storey addition to the westerly wing (third floor), which is approximately 132 feet by 48 feet. Alterations to partitions on the seventh floor are in progress.

## **291-295 Sherbourne Street (Ontario Provincial Police Training School)**

Fire protection and safety improvements consisting of the erection of steel fire escapes and interior fireproofing work, were completed, and repairs made to the main stairways.

## **435 University Avenue (Department of Reform Institutions)**

Alterations to the kitchen, fencing of the parking lot and installation of the elevator were completed, with work progressing on installation of a second elevator.

## **Queen's Quay (Ontario Provincial Police Garage)**

The exteriors of all buildings were completely redecorated.

## **LEASED PREMISES**

### **Kingston — 42 Princess Street**

Installation of office partitions, and additional alterations for the Department of Highways, was completed. Old boilers were removed and concrete bases poured for the installation of new heating boilers. Redecoration of quarters for use by the Department of Agriculture was completed.

### **Toronto — 20 Spadina Road (Department of Agriculture)**

Renovation of the offices on the fourth floor for the Home Economics Branch of the Department of Agriculture was completed.

### **Windsor (Department of Education)**

Renovation, furnishing and equipping of the former Mercer Street Public School building for use as an Institute of Technology, to be known as the Western Ontario Institute of Technology, was commenced on May 1st, 1958, and completed September 1st, 1958.

In addition to the above, minor items of work were carried out in various leased premises requiring same.

## **ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS**

### **Kingston**

Installation of new boilers and auxiliary equipment was completed, various offices were painted, and alterations to the Regional Laboratory on Barrie Street were undertaken. At the end of the fiscal year



View showing substantial completion of construction of the new Ontario Government  
Branch Office Building  
LINDSAY

all structural and electrical work was substantially completed. Adjustments were made to the vault door.

#### Lindsay

At the conclusion of the period under review excellent progress was made on interior work at the new Ontario Government Branch Office Building, with connected Ontario Provincial Police Detachment Building, at Lindsay, a description of which was given in the previous year's Report.

#### Matheson

New ballast starters and lamps were installed in fluorescent lighting in all offices.

#### Red Lake

Interior decoration of the entire building was completed. The two hundred-foot drilled well was deepened to five hundred and fifty feet to secure a more adequate supply of water. Approximately five gallons per minute is now received and under test. By the end of this period construction of the new pumphouse was completed and work was in progress removing debris from the deep well. New reinforced concrete reservoirs were constructed and the secondary pumping unit and filters installed. Renovation of deteriorated plumbing in the cell block was substantially completed.

### DEPARTMENT OF PUBLIC WORKS REGIONAL BUILDINGS

#### Huntsville (D.P.W. Yard, Stores and Office)

Alterations to the office section, and construction of a storage building to provide additional accommodation, is in progress and nearing completion. Fencing of the yard was completed.





View of the new Office and Stores Buildings completed for the Department of Public Works  
LONDON

Fabrication of Court House furniture and benches for various projects, storm sash for Ontario Provincial Police houses, odd-sized doors for the Criminally Insane Building at the Ontario Hospital, Penetanguishene, new doors for Smoke Lake Hangar (Algonquin Park), new entrance doors for the Registry Office at Parry Sound, bullpen platforms for the Ontario Provincial Police at Bracebridge and fabrication of a gun case comprised some of the activities at this centre during the period under review.

#### **Kemptville (D.P.W. Stores Building)**

Construction of a building for the storage of equipment and material, with a paint shop at the rear, commenced in May, 1958. This building when completed will be approximately 68 feet by 32 feet, one storey, of brick construction, with steel web joists. Good progress was made on the erection of this building during this fiscal year, with the roof and interior work completed and work in progress on installation of stock bins.

#### **London (D.P.W. Office and Stores)**

The two new Public Works Regional Office and Stores buildings mentioned in previous years' reports, were entirely completed in November, 1958. Security screens were fabricated and installed and a coating of chips and dustways was laid to complete the project.

#### **Mimico (Regional Stores "D" Building)**

Construction work continued on the erection of the fourth building at Mimico to house general stores and designated "D" building, which was



View showing progress of construction of the new Regional Stores "D" Building  
MIMICO



Interior View showing advanced construction progress of the new Regional Stores "D" Building  
MIMICO

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

described in the previous year's Report. At the end of this period the building was substantially completed with plastering completed, work on the office section nearing completion and installation of overhead doors in progress.

### North Bay (Regional Office)

Repairing and redecorating of the former Health Clinic to provide temporary quarters for the Department of Public Works Regional Office were completed, and all fluorescent fixtures at the warehouse were checked and repaired. Various fabrication work was carried forward with work continuing on repairs and painting of equipment.

### Orillia (D.P.W. Warehouse and Office)

Improvement work on the grounds was proceeded with, including the planting of bushes and erection of a fence.

### Port Arthur (Garage, Workshop and Office)

Construction work was substantially completed for the erection of a 5-bay garage, workshop and office building. The new building is of frame construction and concrete slab, approximately 80 feet by 34 feet.

### Sudbury (McFarlane Lake) Office and Stores Building

Construction of a new Department of Public Works Regional Office and Stores Building commenced in August, 1958, at McFarlane Lake. The building will be of solid brick, steel and reinforced concrete construction and will consist of one single-storey heated section containing a 5-bay garage; plumbers, electricians and carpenters shops, and washrooms. Dimensions will be 160 feet 3½ inches by 52 feet 1 inch. This section will be located at right angles to the left of the main two-storey Regional Office section, 42 feet 6 inches by 86 feet 9 inches, with part basement, containing the boiler room heating equipment.

The ground floor of this section is designed to accommodate small stores, stores office, vault, washrooms and main entrance. The second floor will contain the Regional Superintendent, District Superintendent, and staff offices; also men's and women's washrooms, telephone operator space, vault and front and rear stairwells.

To the right, and also at right angles to this office section, there will be a connecting corridor, 6 feet 3 inches wide by 24 feet 5 inches long, leading to a 113 feet by 52 feet 1 inch 7-bay single-storey unheated stores section. Electrical and telephone equipment rooms will be located on opposite sides of the connecting corridor.

At the end of this fiscal year masonry work was completed in the garage and shops area, with work in progress in the storage area and on installation of T deck roofing.

### Sundridge (D.P.W. Garage and Storage)

Construction of a two-car garage and storage building, approximately 26 feet by 30 feet, for the Department of Public Works was completed in August, 1958.



## For The

# DEPARTMENT OF AGRICULTURE

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### **Cayuga — Rural Youth Training Centre**

As a fire prevention measure a new chimney was installed on the main pumping station building to replace the galvanized pipe chimney. New stainless steel sinks and counter tops were installed in the kitchen. A new bathroom, kitchen sink and cupboard base were installed in the janitor's apartment. Two transformers were installed to take care of the increased supply voltage from 2,400 to 4,800 volts.

Repairs to defective plumbing in the main kitchen and bathroom were completed.

### **Ontario Agricultural College, Guelph**

#### **Physical Education Building**

Construction of this two-storey with partial basement building, a description of which was given in a previous year's Report, was completed and Official Opening Ceremonies were conducted on Saturday, June 21st, 1958, with the unveiling of a bronze plaque. These ceremonies were witnessed by local dignitaries and an audience of 3,000 persons, with the Hon. James N. Allan, B.S.A., Minister of Public Works, and the Hon. William A. Goodfellow, Minister of Agriculture, officiating.

Work continued during the year with adjustments to electrical and mechanical equipment as required, and installations of furniture and equipment.

#### **Main Generating and Switchgear Building**

During October, 1958, preliminary work commenced for the construction of a new Main Generating and Switchgear Building, approximately 88 feet by 67 feet 6 inches, on a site located north-west of the boiler house. At the end of this period erection of exterior walls was approximately 70% completed, the basement floor was poured and forms for the diesel foundation placed with work progressing on installation of anchor bolts.

#### **Science Buildings Group**

##### **No. 1 — Soils Building**

Construction of the Soils Building, the first of three new Science Buildings to be built at the Ontario Agricultural College, advanced to completion during the year. The Soils Department staff moved into the new building on September 15th and classes were conducted at this time. Installation of all equipment was completed by November, 1958, and by March, 1959, the building was fully occupied.

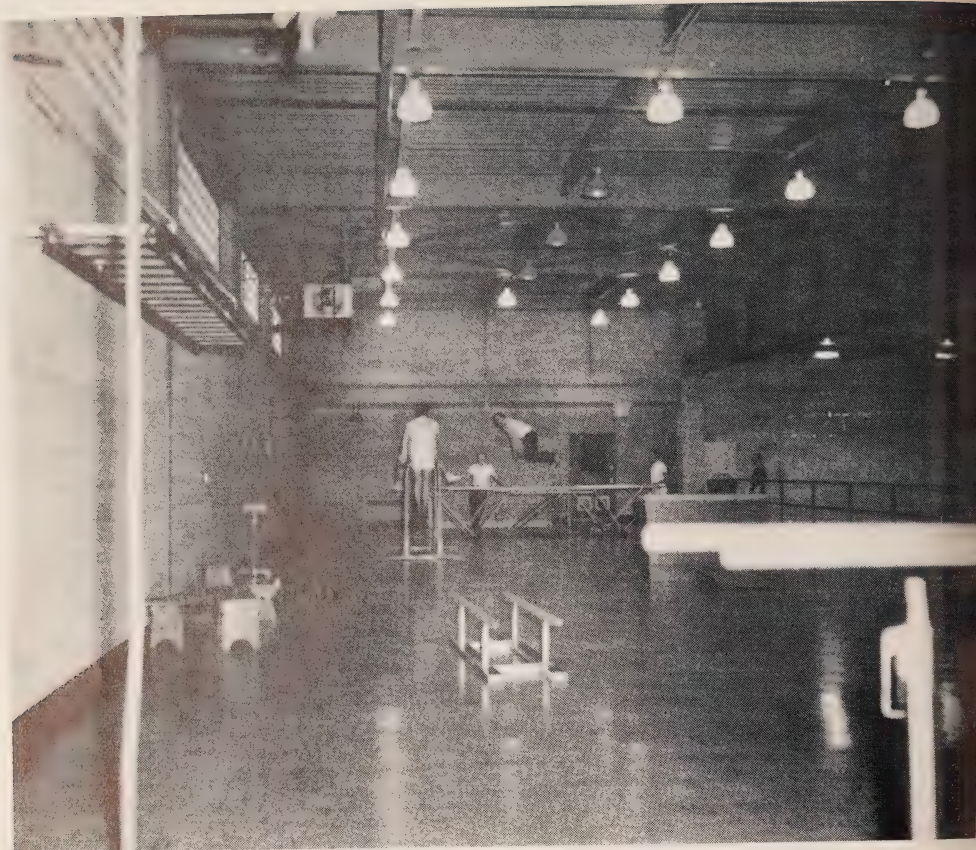


View of the Main Entrance of the Physical Education Building, Ontario Agricultural College  
GUELPH



View showing pupils in the Swimming Pool, Physical Education Building,  
Ontario Agricultural College  
GUELPH





Sectional View of the Gymnasium at the Physical Education Building, Ontario Agricultural College, GUELPH

### **No. 2 — Biology Building**

On May 20th, 1958, layout and preparation of the site was completed for the new Biology Building. When completed the new building will be approximately 200 feet 8 inches long and 134 feet 9 inches wide, and will consist of a basement, ground and first and second floors. It will be of brick and masonry construction and fire-resistant throughout with the structure more or less in the shape of an "E." Steady construction progress was maintained during this fiscal year.

### **Vehicle Storage and Service Building**

Excellent progress was made on the new Vehicle Storage and Service Building, with the work of the mechanical trades nearing completion. At the end of this period under review all the ground floor was occupied with the first floor occupied by the Public Relations Department on March 26th, 1959.

### **General**

Renewal of gas mains was completed and natural gas turned on in all Agricultural College buildings.





View of the new Soils Building, Science Buildings Group, Ontario Agricultural College  
GUELPH



Showing progress of construction of the new Biology Building, Ontario Agricultural College  
GUELPH



Interior View of a section of the new Vehicle Storage and Service Building,  
Ontario Agricultural College  
GUELPH

Repairs to roofs were approximately 90% completed and work will be resumed in the Spring of 1959.

Erection of the air exhaust system to remove moisture at the Seed Research Building was completed.

Installation of storm sewers to drain the north-easterly area was completed.

Alterations to the Student Laboratory at the Horticultural Building were completed.

The project of renovation for the calf pens at the Dairy Barn was completed.

Erection of the Field Frame House for physical education purposes was brought to substantial completion.

The project of erecting poles and stringing electrical wiring to the Gale Farm was completed.

The new deep well pumphouse was completed and is in operation.

The first and second stages of Puslinch Field irrigation project were completed.

Alterations to the heating system were progressive during the fiscal year.





View of the new Piggery Building constructed at the Ontario Veterinary College  
GUELPH

Installation of the mechanical equipment at the Power House was substantially completed.

Installation of the hot water tanks at the Dairy Building was completed and the tanks are in operation.

Approximately 95% of work at the MacDonald Institute children's rooms to provide washroom facilities was completed.

Installation of ventilation ducts at the Field House was well advanced, and work commenced in the proposed electrical room.

## **Ontario Veterinary College, Guelph**

### **Disease Free Animal Holding Unit**

Construction of this one-storey barn structure was completed at the end of this period with heating facilities in operation and ventilation work and insulation of ceilings also completed.

### **Medical Surgical Building**

Construction of the new Medical Surgical Building, mentioned in a previous year's Report, advanced during the year to the substantially completed level. Several Departments moved into the building early in 1959. Work is presently underway at the X-ray room on setting up glazed tiles. Plastering of the ceiling was completed and installation of stainless steel kennel doors is nearing completion. All laboratory benches were installed, anchors for operating room ceiling lights were installed, and rebuilding of the walls in the refrigerators is in progress.



### **Piggery Building**

Erection of the new Piggery Building commenced in August, 1958, and by the end of the year the building was closed in to the weather. The building when completed will be a one-storey structure of concrete block construction and wooden and metal roof. The design is in the form of a "T" with the main central core approximately 100 feet long and 27 feet 6 inches wide, and flanked by two wings, each approximately 90 feet 10 inches by 36 feet 6 inches.

At the end of the fiscal year concrete floors were poured and walls erected for the pen area. Installation of steam mains, and a heating boiler, was in progress and electrical and plumbing installations were underway. Overall completion of this building is approximately 70% completed.

### **Radio Chemical Laboratory**

Construction of the addition to "C" Building Research Unit at the Gale Farm, reported completed in the previous year's Report, was occupied by the Ontario Veterinary College Research Department in July, 1958.

### **Switch Gear Building**

Construction of the new Switch Gear Building, commenced in February, 1958, and approximately 72 feet by 32 feet, was completed.

### **General**

Alterations to "B" and "D" Buildings at the Gale Farm were completed.

The washroom installation at the Gale Farm was completed.

Work progressed on the installation of a primary pole line to the Ontario Veterinary College farm. The work consisted of the installation of a transformer and distribution for several buildings.

### **Kemptville Agricultural College**

#### **Kitchen**

As the year concluded erection of exterior masonry walls was completed to window heads and the corridor roof slab was poured for the new Kitchen, which will consist of basement and first floor, of brick construction, and approximately 63 feet by 40 feet in dimensions.

#### **Poultry Service Building**

Construction work was maintained on the new Poultry Service Building during the year and the building was substantially completed.

#### **Regional Veterinary Laboratory**

Construction of the new Regional Veterinary Laboratory, commenced early in 1958 to serve the eastern part of the Province, was well maintained during the year. In November the building was closed to the weather. At the end of the fiscal year work on installation of tile partitions was completed, roughing in of radiant heating was underway with two floors completed and tested, electrical roughing in was completed, and plumbing for laboratory tables also completed.



showing advanced construction progress of the new Animal Husbandry and Abattoir Building,  
Western Ontario Agricultural School and Experimental Farm  
RIDGETOWN

#### General

Conversion of the basement of the boys' section into bedrooms was completed.

Repair of damage caused by fire at the north end of the male wing in the students' residence on April 15, 1958, was completed in July.

Installation of the loading dock at the Dairy Building was completed.

Erection of a new feed room addition, 16 feet by 16 feet, at the south side of the dairy barn was completed. The new addition is of frame construction.

The horse barn was converted to a heifer barn by installing "I" beams, removing stalls, and laying a concrete floor.

Exterior painting of staff houses 3 and 4 was completed, interior painting of the dairy barn was completed, and repairs to plaster and roof are in progress.

#### New Liskeard — Demonstration Farm

Interior alterations, repairs and painting at the Farm Superintendent's residence were completed, and repairs made to the tank used for watering livestock. Five doors were fabricated and installed on the cow barn, replacing old ones, and trusses were tested for deterioration.



Frontal View of the new Poultry Building,  
Western Ontario Agricultural School and Experimental Farm  
RIDGETOWN

## **Ridgetown — Western Ontario Agricultural School and Experimental Farm**

### **Animal Husbandry and Abattoir Building**

Construction work commenced in June, 1958, on a new livestock building to add to the expanding needs of the Ridgetown Experimental Farm. The new building will be of one-storey construction, approximately 124 feet by 76 feet, of fire-resistant construction, with roof of open web steel joist of two-inch concrete with insulation, and 20-year bonded roof.

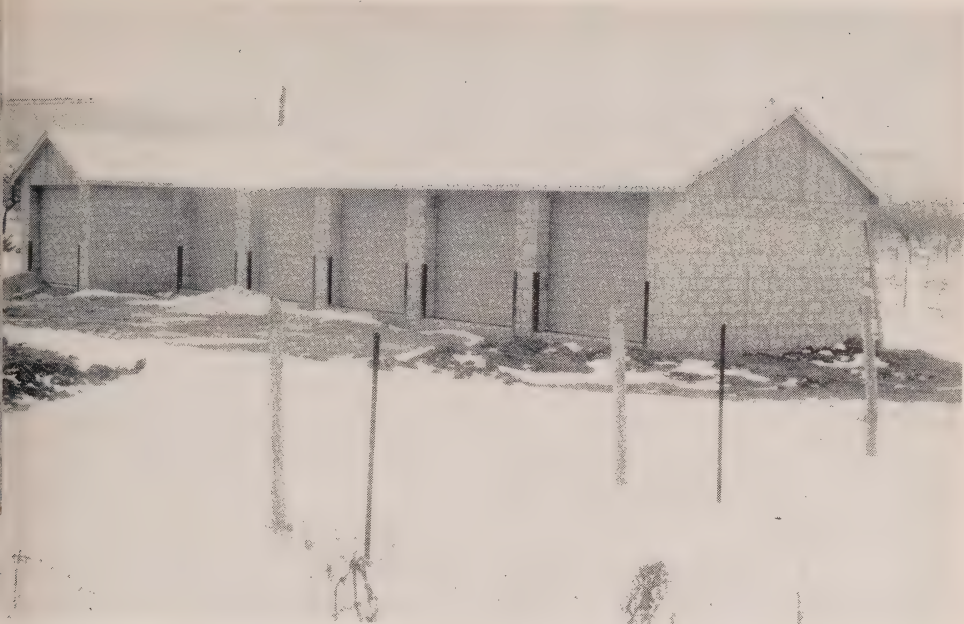
The building will contain a raised judging area, approximately 39 feet by 70 feet, with galleries on two sides and lanterns of glass block over the centre area. Walls will be of concrete block with faced brick exterior and faced tile interior. Eight pens of folding steel, 6 feet by 6 feet, are provided. Cold storage, cooler, quick freeze, locker room, and men's washroom are located between the judging and demonstration areas which provides for hogs and poultry. Overhead track is also provided in this area. Washrooms, male and female, will be located at the top of the gallery level.

Substantial work progress was made and at the end of the fiscal year roofing operations were substantially completed.

### **Poultry Building**

Good progress was made during the fiscal year on the erection of a new turkey brooding house. Installation of ventilating equipment is nearing completion, installation of the hot water tank was completed and





of the Implement Shed and the 5-bay Unheated Garage, Horticultural Experiment Station  
VINELAND

put in operation, fire lines to the turkey pen and seed house were nearing completion, the oil burner was operating satisfactorily and the water lines for the booster pump were installed. In February, 1959, the building was completed and work was undertaken on the installation of by-passes to insure non-contamination of the Town water.

#### General

Installation of the new automatic temperature controls for the greenhouse heating system was completed.

Trenching operations for the revised water system commenced.

Rewiring of the farm building advanced to approximately 70% of completion.

Overall completion on renewal of the electrical distribution system was approximately 70% completed.

Work on the water main controls was completed.

Painting of the dormitory was completed.

Deteriorated two-inch water mains were replaced and old showers were replaced with new at Steckley Hall.

#### Vineland — Horticultural Experiment Station

##### Administration and Laboratory Building (New)

Work on the installation of laboratory fixtures and plumbing connections for the new Administration and Laboratory Building was completed during the early part of the year.

### **Administration Building (Old)**

Renovation of the old Administration Building, including plumbing, plastering, exterior and interior painting, along with a complete new heating and electrical installation, was completed.

### **Implement Shed with Attached Unheated Garage**

Construction of a 5-bay implement shed, approximately 56 feet by 17 feet, with attached unheated garage approximately 14 feet by 24 feet, commenced in July, 1958, was completed in November, 1958, and ready for occupancy on April 1st, 1959.

### **Staff Residence**

In July, 1958, ground was staked out for the construction of a six-room staff residence. The building, nearing completion at the end of this fiscal year, will be approximately 35 feet by 25 feet, storey and a half, of frame construction with concrete block foundation and asphalt shingle roof. Interior painting is presently in progress.

### **General**

A steel ship's ladder with steel landing was installed to grade service, and the service doors fitted with panic hardware.

Sidewalks, roads, and a car park were completed at the rear of the new Administration Building.

The hot water storage unit was installed.

Installation of two meters at the waterworks was completed.

An oil fired hot water heater, for summer use only, was installed in the Lodge Building complete with aquastat to provide hot water at all times in the storage tank for use in the kitchen and laundry room.

An oil fired hot water heater to replace the deteriorated coal furnace was installed in the heating room at the elevated water tank to prevent water from freezing in the winter. Reinforced concrete slab was poured over the pit. and a new safety chimney installed in the heating room as a safety precaution measure.

The new office, washroom and shower area included in the boiler room renovations was plastered.

**For The**  
**DEPARTMENT OF THE ATTORNEY GENERAL**

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**ONTARIO PROVINCIAL POLICE BUILDINGS**

**Apsley**

Construction of a two-car frame garage on concrete floor for use of the Ontario Provincial Police personnel was completed and the building is now occupied.

**Armstrong**

A new septic tank and disposal field was installed to replace the old defective unit. Exterior painting was completed with work progressing on interior redecoration and plaster repairs.

**Atikokan**

Renovation of the heating system and installation of a new circulation pump at the detachment building was completed.

**Bancroft**

Installation of a 2-inch water service to the detachment building was completed.

**Barrie — District Headquarters**

The new District Headquarters Building, construction of which commenced in March, 1957, was completed and occupied in August, 1958. Official Opening Ceremonies were conducted on September 18, 1958, when approximately 650 persons were present at the function, with the Hon. A. Kelso Roberts, Attorney General of the Province of Ontario, officiating.

**Beardmore**

A new deep well was drilled for the detachment building and a new pumping unit installed. A new concrete septic tank and disposal main were also completed.





Frontal View of the new Ontario Provincial Police Detachment Building  
BRACEBRIDGE

### **Blind River**

An extension to the rear of the detachment building, approximately 20 feet by 25 feet, to provide two additional offices, and remodelling of the existing office, was substantially completed. Installation of the fire alarm system was completed and a security fence placed around the transmitter section.

Construction of the new Transmitter Building, mentioned in the previous year's Report, was completed.

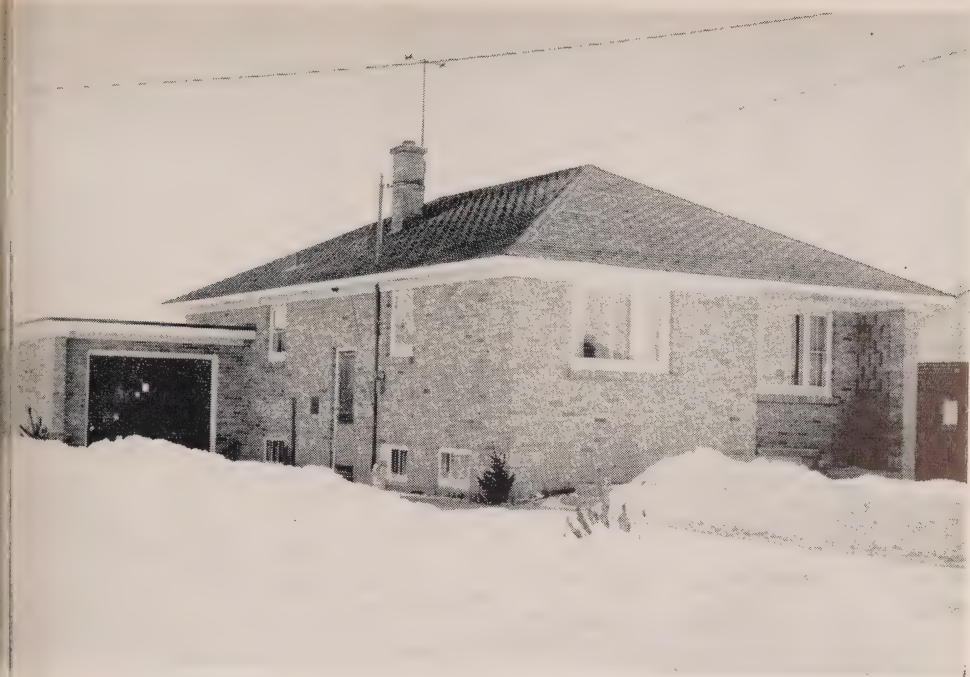
### **Bond Lake**

A new door opening was cut in the existing garage and a new steel overhead door installed. The floor was repaired for better drainage.

### **Bracebridge**

Work continued on the new Detachment Building mentioned in the previous year's Report, and was completed in June, 1958. The building was inspected on June 12th, found satisfactorily completed, and turned over to the Ontario Provincial Police for occupancy.

Official Opening Ceremonies were held on July 21st, with the Hon. James N. Allan, Minister of Public Works, and Robert J. Boyer, M.P.P. for Muskoka, officiating at the ceremonies.



View of one of the six new Residences, with Attached Garage, recently completed for  
Ontario Provincial Police Personnel  
BRADFORD

### **Bracebridge (Old Building)**

Renovation of a section of the old detachment building, formerly occupied by the Ontario Provincial Police, to provide suitable office space for the Probation and Welfare officers, commenced in January, 1959, and was well advanced at the end of the fiscal year.

### **Bradford**

Construction work on six residences, with attached garages, was completed and the buildings occupied.

### **Britt (Still River)**

Drilling of the well, and providing a pump and pressure system for the detachment building, were completed.

### **Burks Falls**

Work on the garage roofs, and landscaping around the two Ontario Provincial Police houses mentioned in the previous year's Report, were completed. Interior finish for the second unit was completed.



View of the recently completed, one of six, Residences with attached garage,  
For Ontario Provincial Police Personnel  
CHATHAM

### **Cayuga**

Six new housing units, construction of which commenced in July, 1957, progressed during the year to completion. The new houses are located on Echo, Chippawa, Munsee, Tuscarora and Brant Streets. All six residences are occupied.

### **Central Patricia**

Exterior and interior painting of the detachment building was completed.

### **Chatham**

A gas burner was installed in the District Headquarters Building.

Construction work on six houses for Ontario Provincial Police personnel was substantially completed and all six houses occupied.

### **Cochrane**

Replacement of furnaces was completed at two Ontario Provincial Police houses on Second Avenue.





View of one of the two new Residences, with Attached Garage,  
constructed for Ontario Provincial Police Personnel  
KEMPTVILLE

### **Ear Falls**

Construction of a new detachment building, described in the previous year's Report, was completed and the building occupied by Ontario Provincial Police personnel on November 25, 1958.

### **Elk Lake**

The sewage disposal system was completely overhauled with the installation of two new tanks — one for sanitary sewage and one for waste water — with new non-corrode pipe, and soil pipe connected to the disposal bed. Minor repairs were made to the heating system. A new sign with electric lighting was installed. Storm sash and frames were installed in the basement windows.

### **Emo**

A deep well was drilled to provide an adequate supply of water preparatory to the construction of a detachment building.

### **Englehart**

Replacement of the furnace at the Ontario Provincial Police residence on Fifth Street was completed. Repairs were made to the water line in the basement.

## **Haileybury**

Furnaces in three Ontario Provincial Police residences were replaced.

## **Ignace**

A new drilled well was completed to a depth of approximately 35 feet to provide a more satisfactory water supply than was previously obtained from sand points. The detachment building and garage were painted.

## **Kemptville**

All work was completed in July for two standard plan three-bedroom bungalows for Ontario Provincial Police personnel.

## **Kenora**

Under construction since the previous year, three new residences, including sidewalks, driveways and landscaping, were completed in July and occupied by Ontario Provincial Police personnel.

A concrete retaining wall, approximately 100 feet long, was constructed along the southerly property line to retain the driveway level serving the proposed boathouse and garage, for which borings were previously taken to determine location and depth of steel sheet piling necessary to protect the site.

## **Kingston**

Four new housing units were completed and occupied by Ontario Provincial Police personnel in July, 1958. The buildings are prefabricated, standard plan, three-bedroom bungalows with a garage for each provided.

## **Kirkland Lake**

Property for the construction of a detachment building for the Ontario Provincial Police was inspected and drilling for a well completed. The water supply was proved and the property approved for purchase. Soil samples were obtained and shipped to Toronto for analysis.

## **Kitchener**

Excavation for a four-car garage commenced in April, 1958, and construction progressed during the year to approximately 95% of completion.

## **Matheson**

A new combustion chamber was installed in the detachment building and the heating system was adjusted. A furnace was replaced in the Ontario Provincial Police residence on 7th Avenue. The front entrance door of the detachment building was repaired and revarnished and a new apron poured in front of the garage section. A new hot water tank, complete with electric heating and electric eye, was installed on the heating boiler.

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

## Minaki

A new pumping unit and chlorinator on fresh water supply was installed. Screen windows and combination doors were fabricated and installed in the residence and office building. Repairs were made to the plumbing system.

## Moosonee

Adjustments were made to the heating system to correct faulty combustion at the detachment building.

Ditching around the building, and installation of culverts for better drainage, were completed.

## Nakina

Exterior painting of the detachment building, and interior redecoration, were completed.

## Niagara Falls — District Headquarters

A few minor items were rectified or completed at the new District Headquarters Building which was reported completed in the previous year's Report. The final inspection of the building was made on June 5, 1958.

## Nipigon

Redecoration of the interior of the detachment building, and painting of the exterior, were completed. Additional roof ventilation to prevent condensate drip on the ceilings was also provided. Installation of a circulating pump and replacement of office radiators were also completed.

## North Bay — District Headquarters

Interior and exterior painting of the District Headquarters Building was completed, all fluorescent fixtures were checked and repaired and an extension to the boathouse door constructed and installed to allow for variation in the water level. A new No. 82 hot water tank was installed to replace an old deteriorated tank.

Seven new residences were completed and occupied during the year on lots 1, 8, 27, 55, 56, 57 and 78.

Installation of a furnace in the residence at 776 O'Brien Street was completed, and minor repairs made to the heating system.

## Ottawa

The exterior of the detachment building was painted.

## Pembroke

Four new houses for the Ontario Provincial Police were completed and occupied.





View of one of the new Residences, with Attached Garage,  
constructed for Ontario Provincial Police Personnel  
PEMBROKE

### **Port Arthur — District Headquarters**

Enclosing of a private office for the chief mechanic, and installation of a sliding mesh door to isolate the car storage section from the workshop in the garage section of the District Headquarters Building were completed. Gun racks were also installed.

### **Red Lake**

The old Red Lake Supply Store Building was removed to clear the site for construction of a four-car garage for the Ontario Provincial Police. Construction was substantially completed in March, 1959. The new garage will form a part of the Ontario Government Branch Office Building.

### **St. Catharines**

Six new Ontario Provincial Police housing units, construction of which commenced the previous year, were completed and turned over for occupancy.

### **St. Thomas**

Construction work to provide additional cells at the detachment building was completed in December, 1958. Metal cots were installed and all exterior and interior decorating work was completed.



Exterior View of the new Extension to provide Additional Cells for the  
Ontario Provincial Police Detachment Building  
ST. THOMAS

### **Schreiber**

The interior of the building was redecorated.

### **Shabaqua**

Erection of the standard plan detachment building, started in March, 1958, was well advanced with the entire building closed in, installation of the heating system substantially completed and lathing and plastering of the entire building in progress.

### **Simcoe**

Fencing was replaced around the property.

### **Sioux Narrows**

A deep well pumping unit was installed to provide water service for the new detachment building, and adjustments were made to the cell doors. Work on landscaping, concrete curbs, sidewalks and seeding was completed.

### **Smooth Rock Falls**

Reseeding of the lawn and fencing of the property around the detachment building was completed. A new motor was installed on the heating system fan.





View of one of the four Bungalows, with Attached Garage,  
constructed for Ontario Provincial Police Personnel  
STAYNER

### **South River**

The residence was reinsulated, the exterior was painted and a vapour barrier installed.

### **Stayner**

Construction of four bungalows, with attached garages, was completed, and the buildings were occupied.

### **Sturgeon Falls**

Construction of a new detachment building, commenced in December, 1957, was completed. Minor repairs were made to the domestic hot water system and adjustments made to heating controls.

### **Sudbury — District Headquarters**

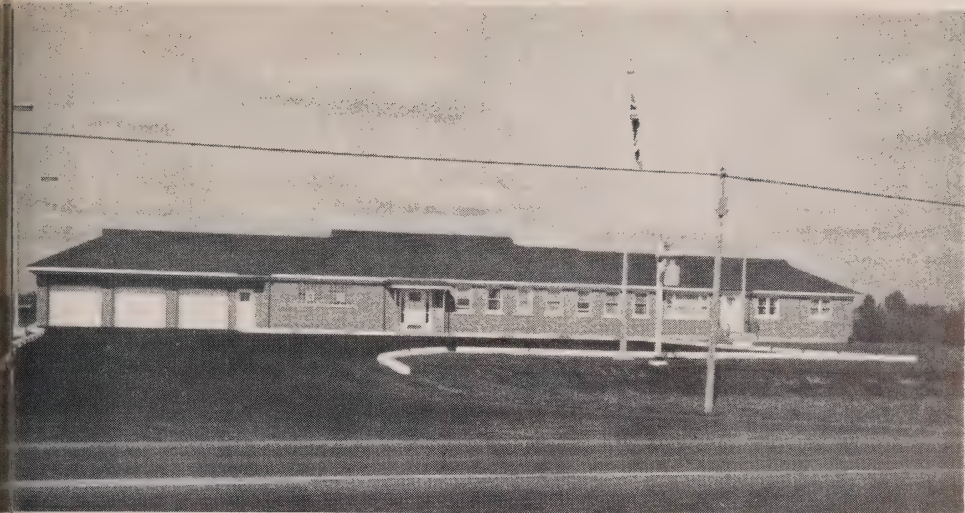
Repairs were completed preparatory to painting the exterior of the Headquarters Building, garage and main office on the first floor.

### **Temagami**

A new septic tank was installed to serve the detachment building, replacing the old installations. A tank was pumped out and repaired. A new circulating pump and thermostat was installed in the hot water heating system, and the building insulated.

An addition to the Ontario Provincial Police boathouse was built to provide living quarters for personnel.





View of the new Detachment Building constructed for the Ontario Provincial Police  
STURGEON FALLS

### **Vermilion Bay**

Renovation of plumbing in the cell block was completed except for permanent electric wiring to the sump motor.

### **Waterdown**

The new sewage disposal plant was installed and is in operation. Levelling and grading operations were substantially completed. Water piping and a new pump were installed.

### **Whitby**

Preliminary work commenced in February, 1959, for the construction of a detachment building and six-car garage for the Ontario Provincial Police. The building lines were laid out and construction offices erected. An access road was constructed by the Department of Highways and a sewer, installed by the Town of Whitby, brought to the site.

### **Whitney**

Construction of the new standard plan detachment building, mentioned in the previous year's Report, was completed.

### **Woodstock**

Temperature controls on the heating system were altered to suit specifications. To augment the supply of water at the detachment building the well was drilled an additional 90 feet to produce a supply of 15 gallons of water per minute. Two fan controls were replaced. A faulty motor starter was repaired, and a faulty motor removed, repaired and replaced.

## **DISTRICT BUILDINGS**

### **Cochrane North**

#### **Cochrane (Court House)**

Repairs were made to the southerly entrance door, two floor type door checks were repaired, and the front entrance doors were installed and painted. An ash hoist was installed. New firehose reels were installed to replace defective ones, and minor repairs to plumbing carried out.

### **Kenora**

#### **Kenora (Court House)**

Two new stokers, and two new 60 amp. 3-phase, 220 volt service for stokers and ash hoist were installed.

### **Muskoka**

#### **Bracebridge (Court House)**

Removal of the boiler and remodelling of the heating system was carried out. Various offices were cleaned and the space re-allocated. An office adjacent to the Court Room was painted, wall-to-wall carpet laid and drapes installed, to be used as the Supreme Court Judges' retiring room.

### **Muskoka**

#### **Bracebridge (Registry Office)**

Landscaping at the Registry Office building was completed.

### **Nipissing**

#### **North Bay (Court House)**

Plaster repairs, cleaning and interior painting, and laying of linoleum were completed and fluorescent fixtures were installed in the bailiff's office. Renovations to electrical services and minor repairs to plumbing were carried out.

### **Nipissing**

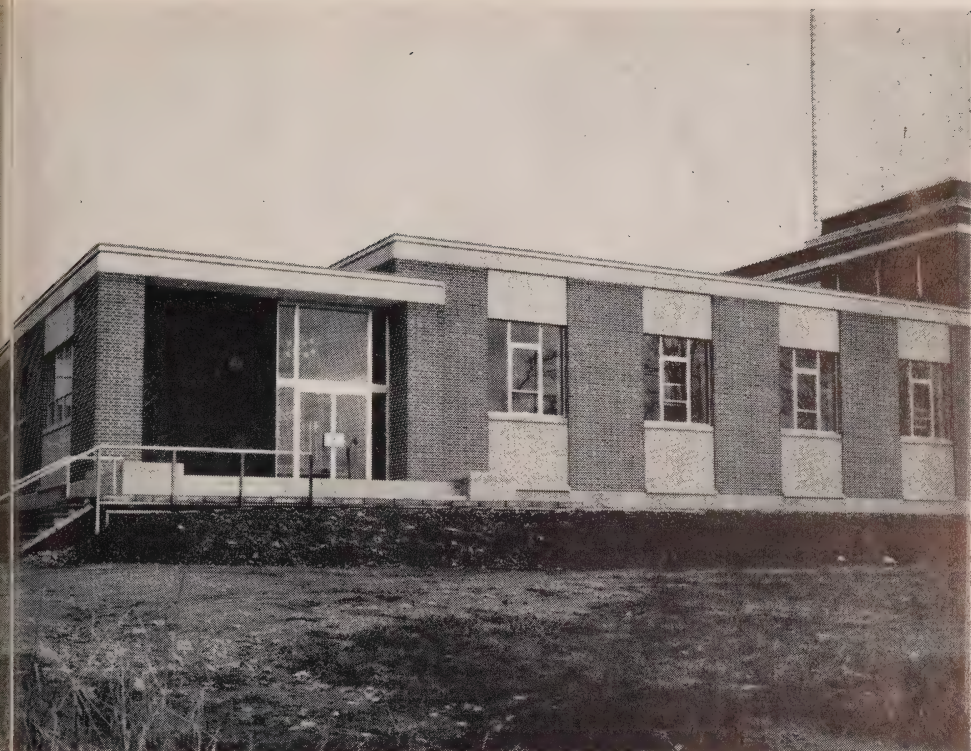
#### **North Bay (Old Registry Office)**

The old Registry Office Building was cleaned and repaired and alterations to provide accommodation for the Probation Officer and the Juvenile Court were carried out. A new floodlight was placed over the cutting machine in the bookbinding section. Minor repairs to the heating system were undertaken and carried out.

### **Nipissing**

#### **North Bay (New Registry Office)**

New controls, and electric wiring to these controls, were installed. As a preventive measure against break-ins three outdoor floodlamps were installed to light up the rear entrance.



Southerly View of the new Registry and Land Titles Office Building  
SAULT STE. MARIE

### **Rainy River**

Fort Frances (Registry Office)

The interior of the building was redecorated and the exterior painted.

### **Rainy River**

Fort Frances (Court House)

Installation of an electric ash hoist, and motorized valve on the steam main, to control heating of the Registry and Land Titles Office Building was completed.

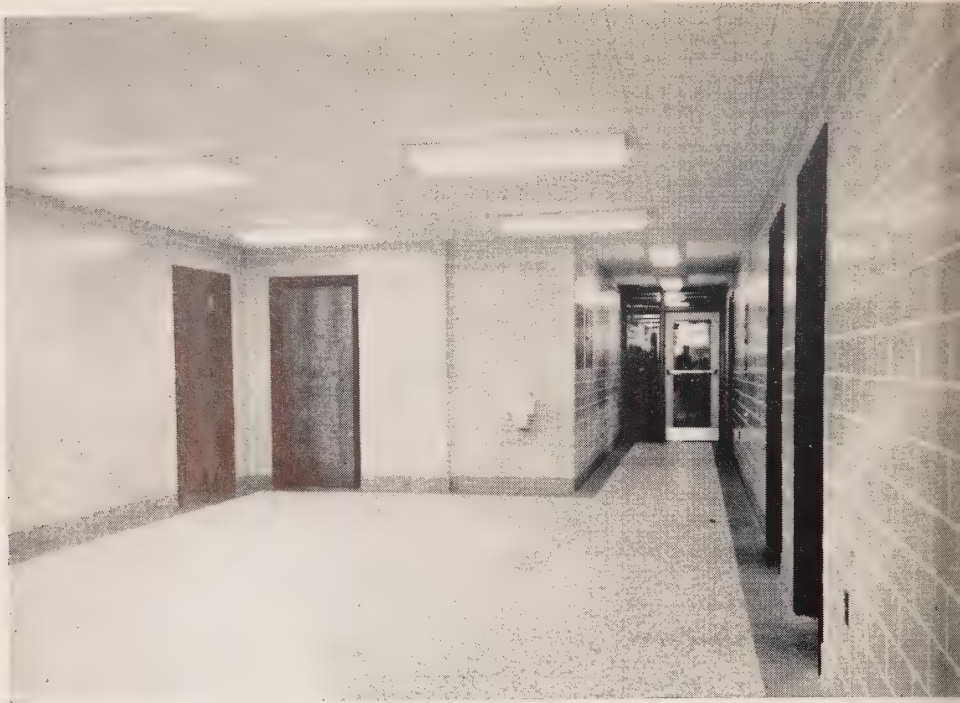
### **Sault Ste. Marie**

Sault Ste. Marie (Registry Office)

Construction of the new Registry and Land Titles Office Building, mentioned in previous years' Reports, was completed and on November 5, 1958, Laying of the Corner Stone and Official Opening Ceremonies were held.

Approximately 450 guests, representative of all walks of life from the surrounding community, were present for this occasion.





View of the Basement showing the Entrance to the Probation Offices,  
Extension No. 1, Court House Building  
SUDBURY

## Sudbury

### Sudbury (Court House)

The railing around the concrete retaining wall was painted.

## Sudbury

### Sudbury — Court House (Extension No. 1)

Construction work on Extension No. 1 at the Court House, first undertaken in April, 1957, to provide much needed accommodation progressed during the year to completion near the end of this fiscal year. Telephone conduits were installed to the telephone equipment room and approximately 50% of office furniture was received.

## Sudbury

### Sudbury — Court House (Extension No. 1B)

In April, 1958, work commenced on Extension No. 1B, which consists of a new fire stair at the easterly side of the Court House. By the end of the year 1958 exterior work on this extension was completed and the interior readied for interior finishes. At the conclusion of this fiscal year interior partitions and furring were completed and erection of structural clay tile was in progress.



Interior View of the Rear Entrance and Stairway, Extension No. 1, Court House Building  
SUDBURY



Exterior View showing advanced construction progress of Extension No. 2, Court House Building  
SUDBURY

## **Sudbury**

### **Sudbury — Court House (Extension No. 2)**

Corner Stone Laying Ceremonies were conducted for this building on Wednesday, October 1st, 1958, with Mr. Gerald J. Monaghan, M.P.P. for Sudbury, and Mr. Rheal Belisle, M.P.P. for Nickel Belt, officiating.

Commenced in March, 1958, as the second stage of construction to increase the facilities of the existing Court House, construction work continued throughout the year to the extent that all exterior work was completed and excellent progress made on all interior work with more than half of the rooms in the building plastered.

## **Sudbury**

### **Sudbury (Registry Office)**

The exterior of the building was painted.

## **Temiskaming**

### **Haileybury (Court House)**

Repairs were made to the plumbing.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

### **Thunder Bay**

#### **Fort William (Registry Office)**

Extensive renovation of the Registry Office Building, described in the previous year's Report, were substantially completed including installation of furnishings and equipment and the Registrar and his staff were established in their new quarters on September 29, 1958.

### **Thunder Bay**

#### **Port Arthur (Court House)**

Offices in the Court House Building, vacated by the Ontario Provincial Police, were redecorated. Exterior lighting standards were replaced by two monotube standards.

### **Thunder Bay**

#### **Port Arthur (Registry Office)**

Installation of a propane gas heater, and increased hot water capacity for the photostat machine, was completed.

## **FIRE MARSHAL**

### **Gravenhurst Fire College**

Renovation work, first commenced in August, 1957, on the reconstruction of several buildings to house the new Gravenhurst Fire College, described in the previous year's Report, progressed and is continuing.



View of the Director's Office, Ontario Fire College  
GRAVENHURST



Exterior View of the Main Building, Ontario Fire College  
GRAVENHURST

# For The

## DEPARTMENT OF EDUCATION

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### Ontario School for the Deaf, Belleville

#### Junior School and Students' Residence

Construction work continued on the erection of the new Junior School and Students' Residence described in the previous year's Report, and the structure was completed in October.

Corner Stone and Official Opening Ceremonies were conducted on October 6, 1958, with the Hon. William J. Dunlop, Minister of Education, and Mr. W. E. Sandercock, M.P.P. for Hastings West, officiating. The dual function was widely attended by distinguished guests from various Departments of the Federal and Provincial Governments and a representative gathering of the surrounding community.

#### Laundry Building

Work on the new Laundry Building, commenced in September, 1957, progressed during the year and the project was completed on January 30th, 1959.

#### Power House

Construction of the new Power House to serve the expanding needs of this Institution, and described in the previous year's Report, was completed on January 30th, 1959.

#### Staff Residential Dormitory

The new Staff Residential Dormitory, described in the previous year's Report, was brought to completion in October, 1958. The new residence provides accommodation for forty-four staff members.

#### General

Considerable renovation and repairs were made to the Main Building, consisting of interior painting, repairs to walls and ceilings, etc. A new beauty culture room was provided for the teaching of beauty culture, and a new science room and several additional offices were also provided for the instruction of pupils.

The Hospital building was repaired and redecorated. Four bathrooms were remodelled and new plumbing installed to replace outmoded and deteriorated plumbing.

Considerable redecorating and repairs to the interior of the Boys' Residence were substantially completed, and exterior woodwork was repainted.

Renovation of four pupils' washrooms consisting of installation of new plumbing, new style dados and plastering, was completed at the Girls' Residence.





The new Junior School and Students' Residence, Ontario School for the Deaf  
BELLEVILLE



Exterior View of the recently completed Laundry Building, Ontario School for the Deaf  
BELLEVILLE

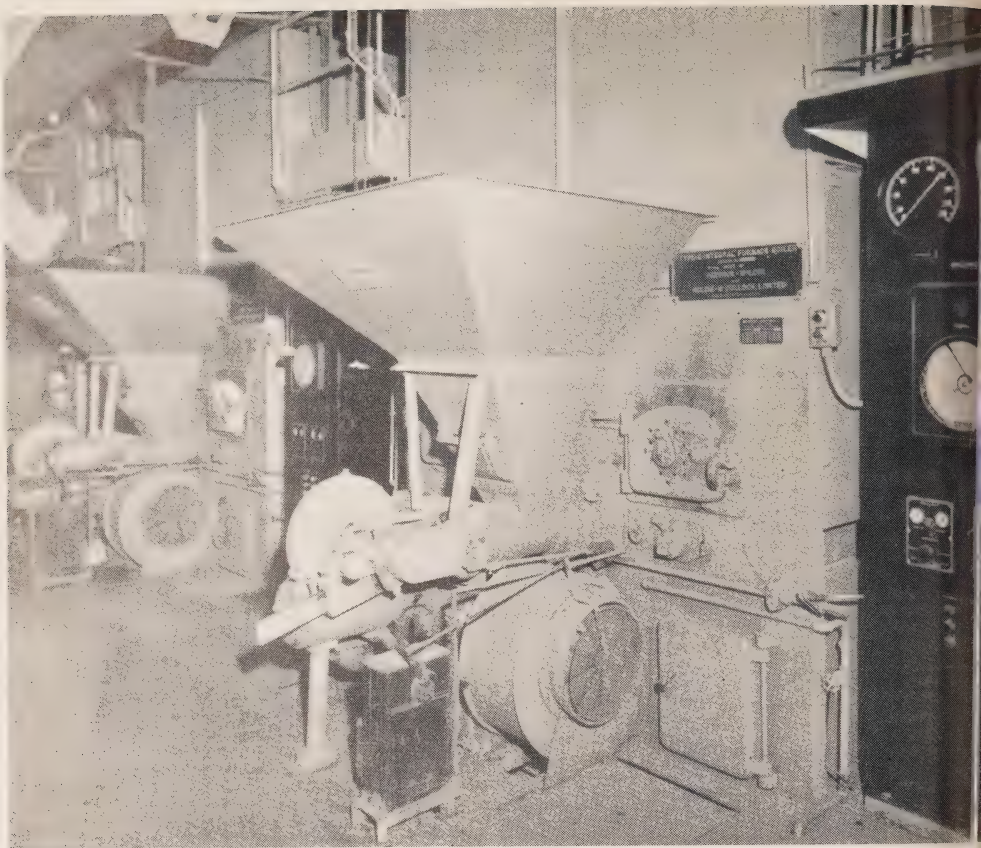


Interior View showing Equipment of the new Laundry Building, Ontario School for the Deaf  
BELLEVILLE



Exterior View of the new Power House, Ontario School for the Deaf  
BELLEVILLE





Interior View of a section of the new Power House, Ontario School for the Deaf  
BELLEVILLE

A new forced air oil fired furnace was installed in the McLintock residence.

At the Morrison residence the kitchen was overhauled and new cupboards installed; and considerable renovation of the interior of this residence was completed.

Work undertaken at the Reid residence included renovation of the kitchen. Three bedrooms were decorated and lino tile floors laid; new hardwood floors were installed in the dining and living rooms; a new hot water heating system was installed and a new cement floor laid in the basement.

Redecoration of several rooms at the Wilson residence was completed and the exterior of the building was painted.

Various buildings connected with the farm were repaired, including replacement of badly deteriorated sashes, etc.





View showing advanced construction progress of the new Power House,  
Ontario School for the Blind  
BRANTFORD

## Ontario School for the Blind, Brantford

### Assembly Hall

Corridors were closed off, and preliminary removal of heating and plumbing equipment in the existing building was completed, prior to razing part of the old Assembly Hall to provide for the erection of a new addition.

The new addition will be one storey and of masonry and reinforced concrete construction. When completed it will provide for a seating capacity of 204 children, one playroom 60 feet by 40 feet, instructor's office, three studios for musical education, six tuning rooms, four studios for piano and voice instruction, eight practice rooms for girls and eight rooms for boys, instrument storage rooms, and basement with crawl space only as heating will be provided from the main boiler room. The building is designed so as to provide for a swimming pool at a future date.

### Power House

Work on the reconstruction of the Power House commenced in April, 1958, and was maintained throughout the year. Erection of exterior walls was completed, concrete work was completed, the tar and gravel roof installed and boiler connections well underway at the end of this period.

### General

A new 6-foot woven steel fence was erected and a canopy placed over the Junior School Hospital entrance.



Exterior View of the new addition to the Provincial Institute of Mining  
HAILEYBURY

Shoring work for two classrooms in the Main Building was completed.

Replacement of the old main feeder of the underground services progressed with excavation work, duct work, and installation of manholes reaching a well advanced stage.

Improvements were made to the laundry electrical system.

Renovations were made to various buildings.

Replacement of fixtures and waste lines in the boys' and girls' washrooms in the Main Building was carried forward, and defective drinking fountains replaced.

### Haileybury — Provincial Institute of Mining

The contract was awarded on June 18, 1958, for the erection of a two-storey and basement addition to the Provincial Institute of Mines building on Florence Street, and re-arrangement of the accommodation in the existing building to conform to the new plans for an enlarged Institute. Additional space for office and teachers' facilities, library and recreation areas, and classroom accommodation was necessitated by the growing demand for student enrolment.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

The addition, approximately 42 feet by 40 feet, is of brick and concrete construction on structural steel frame, the exterior design and materials conforming to the architecture of the existing building.

The entire new basement area will become a new ore dressing and milling room. All equipment will be re-located from the present shop to the new location, and the existing ore dressing room on the ground floor will be converted to an additional milling classroom.

The ground floor accommodation provides for the main entrance and stairway, secretary's office, vault and washrooms, Principal's office, storage room, and combination teachers' room and employment interview room.

The entire upper floor is taken up with the library and students' common room, the common room designed to permit conversion for future additional classrooms, if required.

At the end of the period overall construction of the new addition was approximately 70% completed, and electrical rewiring of the existing building was nearing completion. Minor repairs to the heating system were carried out, plastering was nearing completion and installation of gyproc ceiling was in progress.

### **Haileybury — Provincial Institute of Mining (Existing Building)**

Painting of the existing building was completed, minor repairs were made to plumbing in the chemistry and physics laboratory and electrical wiring of the building was substantially completed.

### **Institute of Technology, Hamilton**

Alterations and improvements, including installation of lecture seats and benches and electrical service in laboratories, were completed. Electrical work on new equipment and lighting in the renovated washroom was well advanced.

Considerable fabrication work was undertaken for new work tables, seats, blackboards, etc., and further alterations were made to partitions in order to accommodate more pupils.

### **Teachers' College, Hamilton**

A soundproof partition with a removable double door was installed across the Industrial Arts room.

### **Teachers' College, London**

Official Opening Ceremonies were conducted for the new London Teachers' College on December 9, 1958. Many distinguished guests and a representative gathering of approximately 1,000 persons from the surrounding community were present for these ceremonies when the Hon. William J. Dunlop declared the building officially opened.

Construction work on this new building to serve the teacher requirements of the London area first started in October, 1956, and was progressively maintained throughout the period under review.





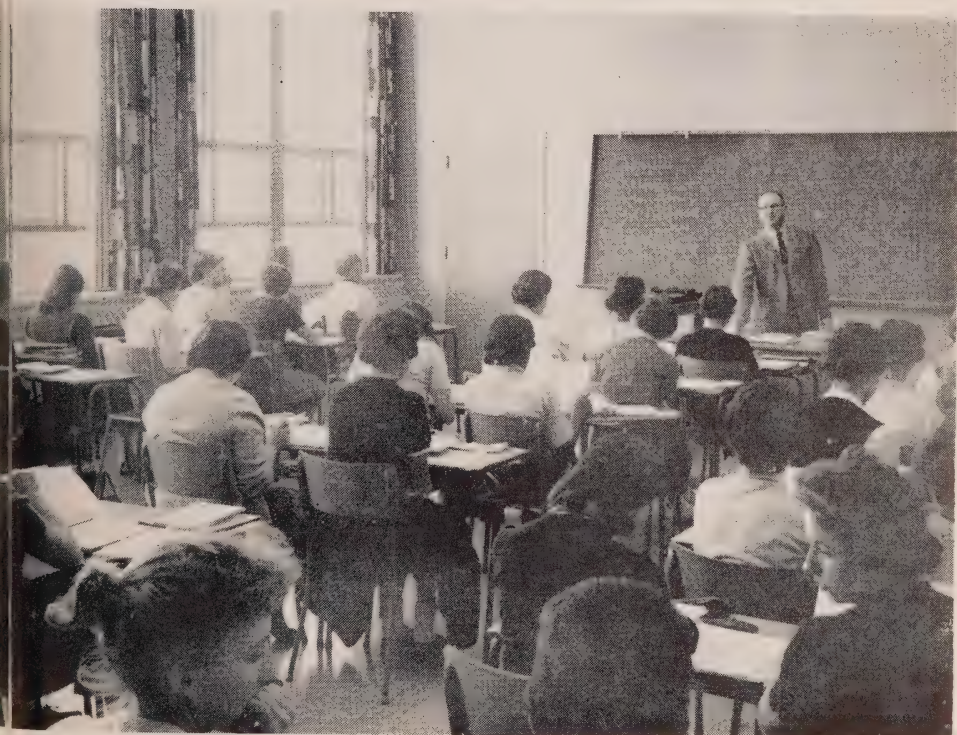
A View of the Gymnasium, New Teachers' College  
LONDON



A Sectional View of the Library, New Teachers' College  
LONDON



A Sectional View of the Main Lobby, New Teachers' College  
LONDON



A View of one of the Class Rooms, New Teachers' College  
LONDON





A View of the Long Corridor leading from the East End of Building to the Main Lobby,  
New Teachers' College  
LONDON



View showing progress of construction of the new Lakeshore Teachers' College  
NEW TORONTO



### **Ontario Athletic Camp, Longford Mills**

Work on the new washroom drainage system was completed.

### **Lakeshore Teachers' College, New Toronto**

Work on the new Lakeshore Teachers' College, a description of which was carried in the previous year's Report, progressed favourably during this fiscal year. Corner Stone Laying Ceremonies were held on September 8, 1958, with approximately 500 persons present at the function.

At the end of the fiscal year concrete, steel, masonry, roofing and glazing were approximately 90% completed with work of the interior general trades approximately 65% completed.

### **Teachers' College, North Bay**

Renovation work was undertaken during the year. Dados in the Assembly Hall were covered with plywood and painted and a new concrete floor was poured in the basement. Metal flashing was installed above coping at the entrances.

### **Eastern Ontario School of Technology, Ottawa**

The Eastern Ontario School of Technology is established in the old Slater Street School in Ottawa. In order to triple the classroom and laboratory space an adjoining block of the school buildings was rented from the Ottawa School Board and is being completely renovated and equipped by the Department of Public Works.

The Slater Street School consists of four connected buildings. The second floor of one building, taken over previously, was renovated and equipped to provide draughting rooms, radio workshop, electronic laboratory, physics laboratory, principal's office, instructors' study and storage space.

The building now taken over adjoins on the north side, and faces north. It consists of two storeys and basement, approximately 80 feet by 68 feet. It is of brick and concrete construction, and plans include the erection of a new corridor connecting the staggered front half of this building with the portion to the rear where the Institute is already established.

The remodelling work now proceeding will provide on the first floor for physics, chemistry and mechanical laboratories; on the second floor, an economics laboratory and classrooms for English and mathematics; and in the basement, lunch room, locker and washrooms. The new classrooms and laboratories will be completely furnished with the most modern equipment for instructional purposes, providing an enlarged and well-appointed Institute to serve the needs for technical training in the eastern part of the Province.

At the end of this period renovation of five additional classrooms was underway with work on three of the classrooms completed.



Interior View of the Welding Shop, Provincial Institute of Trades  
21 NASSAU STREET, TORONTO

### **Teachers' College, Ottawa**

Masonry was repointed, and the exterior and the interior were painted.

### **Teachers' College, Port Arthur**

A survey and investigation of the site was completed.

### **Teachers' College, Stratford**

Installation of two new boilers was undertaken, and laying of pipe covering for the new heating units completed. Wiring for stokers and controls was completed. Revisions to the existing lighting were carried out to accommodate new boiler room conditions, and some new lighting was added with additional lighting provided in the ash room and coal bunker.

Sidewalks were constructed over recently installed drain lines and the disturbed ground was landscaped. The wind storm of March 15th tore a large portion of the roof off the front section of the building and demolished some cornice work and window sash. Repairs to remedy this condition are presently underway.





View showing progress of construction of Unit No. 2, New Building Group,  
Ryerson Institute of Technology  
TORONTO

### **Institute of Trades, 21 Nassau Street, Toronto**

Renovation and strengthening of three buildings of the Institute, described in the previous year's Report, progressed. Additional work at Building No. 1, and on the front entrance of Building No. 2 advanced; the bridge connecting Buildings Nos. 1 and 3 was completed, and fencing along Nassau Street was also completed. At the end of this period work was in progress on ventilation for Buildings Nos. 1 and 3, including the new penthouse which was completed.

### **Ryerson Institute of Technology, Toronto**

#### **Unit No. 2 — New Building Group**

Construction of Unit No. 2, undertaken in February, 1958, to provide accommodation for some 1,500 students, made steady advance during the year until the shut-down between the Toronto Builders' Exchange and the Cement Finishers' Union halted progress from September 15th to November 6th. As the fiscal year drew to a close reinforced concrete work and exterior brickwork were substantially completed, the rough



concrete basement floor on ground was nearing completion, installation of the elevator was in progress and erection of the television tower was well advanced with roughing in of mechanical trades underway.

#### **Existing Building**

Extensive alterations were carried out in the existing building to provide temporary classrooms while construction of the new units was in progress. Furniture, tools and equipment were transferred from buildings being demolished.

A new concrete floor was laid in the storage room under the main library. Erection of lavatory partitions, and extensive woodwork repairs, were in progress in the main washrooms of the central building.

Property, containing four semi-detached dwellings, was purchased and the dwellings demolished at 303-309 Church Street, adjacent to the Institute, for possible future use.

## For The DEPARTMENT OF HEALTH

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### **Ontario Hospital, Aurora**

Installation of acoustic tile in the dining rooms, patients' day rooms, and therapy rooms was completed.

### **Ontario Hospital, Brockville**

#### **Female Continued Treatment Pavilion**

Construction, equipping and furnishing of this Pavilion, referred to in the previous year's Report, was completed, and the building turned over to the Department of Health in April, 1958.

An Occupational Therapy Department was provided in the basement during the fiscal year.

#### **Male Continued Treatment Pavilion**

This Pavilion, mentioned in the previous year's Report, was substantially completed in November, 1958.

#### **Elmgrove Dormitory Addition**

Work commenced in May, 1958, on the complete renovation and fireproofing of the Elmgrove Dormitory Addition. The plans call for an enlargement by the addition of new wings at the easterly and westerly ends of the existing dormitory which, when completed, will have accommodation for 84 beds. The existing building consists of a central three-storey section with two-storey wings extending from either side. The new additions, each 57 feet by 45 feet, of two storeys and basement, will be constructed at the outer ends of the two wings and the basement areas are designed for occupational therapy; and, in the old portion, adjacent to the easterly addition, there will be a complete new kitchen layout. The corresponding area in the westerly wing will accommodate storerooms. The easterly addition on the ground floor will have the outpatients' clinic, and various offices and conference rooms and social service rooms, and the second floor will accommodate wards and day space. The westerly addition will provide new ward and day space on the first and second floors and adjacent ward space in the old westerly wing will be renovated. There will also be social service rooms and offices in the central portion of the existing building, and on the third floor one two-bedroom apartment and three bachelor apartments provided for doctors.

Construction work has advanced as follows: excavation, concrete foundations and first floor slab were completed in both easterly and westerly extensions. Brickwork was erected to sill course at the easterly extension and is well advanced at the westerly extension. Good progress was made in the renovation and additions to this Dormitory during this fiscal year.

#### **Farm Buildings**

Painting of the barn on the Stagg Farm was completed.



Aerial View, taken from the north, showing the location of the new Ontario Hospital Training School for Retarded Children  
CEDAR SPRINGS, NEAR CHATHAM

#### General

Construction of roads, sidewalks and curbing connecting the buildings was completed. Installation of the master T.V. system with 44 outlets was substantially completed. Installation of the inter-communication system was completed.

#### Ontario Hospital Training School (Cedar Springs), Chatham

Construction work on this group of buildings, as described in the previous year's Report, commenced on February 11th, 1958, and progressed to various stages as follows:

##### Group "A" Buildings (6 Residential Pavilions and 1 Male and 1 Female Dining Hall)

Excavation for the Male Pavilion was completed and erection of the footing forms is underway.

##### Laundry Building

The excavation work was completed.

##### Power House

The concrete footings were poured.





Showing substantial progress of the new extension to the Kitchen and Dining Hall Building,  
Ontario Hospital  
COBOURG

#### Trades Building

The concrete footings were poured, wall forms were erected and reinforcing placed for pouring of concrete. Setting of the reinforced steel is underway. Construction of the connecting tunnel to the Medical Building is progressing.

#### General

Construction of the storm and sanitary sewers and the water mains was completed. The water tank, with a capacity of 208,000 gallons, was structurally completed.

#### Ontario Hospital, Cobourg

##### Extension to Kitchen and Dining Hall Building

Construction work continued on the erection of an extension to the Kitchen and Dining Hall Building, described in the previous year's Report. The ventilating system was installed in the basement rooms, first floor kitchen, and second floor dining hall of the new addition and in the existing



View showing progress of work under construction for the new 600-bed Hospital Group of Buildings  
 Ontario Hospital  
 HAMILTON

kitchen and dining halls on the first and second floors. Four-inch cork insulation was installed in the refrigerator rooms in the basement and the first floor. A service elevator was installed servicing the existing kitchen to the first and second floor dining halls. Construction of a fire escape leading from the second floor dining hall was completed. This project is nearing the completion stage.

#### **Transformer Building**

Construction work on the new one-storey transformer addition for the diesel standby power unit was substantially completed during the fiscal year and installation of equipment was underway.

#### **General**

Rewiring of wards 3, 4, 5 and 6, including the wiring in the Main Hospital Building, was substantially completed.

Work on the improved heating system is nearing completion.

#### **Ontario Hospital, Goderich**

An Ontario Hospital site, situated immediately south of Goderich and fronting on Lake Huron, was acquired during 1958 and considerable preliminary work was carried out and is continuing.

#### **Ontario Hospital, Hamilton**

##### **New 600-Bed Hospital Group**

A gathering of approximately 1,000 persons was present when Corner Stone Laying Ceremonies took place at the new 600-bed Unit of this Ontario Hospital on Wednesday, August 27th, 1958, with the Hon. Mackinnon Phillips, M.D., C.M., LL.D., Minister of Health, and Arthur J. Child, M.P.P. for Wentworth, officiating.





View taken from the Penthouse of the Male and Female Acute Treatment Building and showing the Male and Female Senile Patients' Building in the Distance, Ontario Hospital  
HAMILTON

Representatives of various Departments of the Provincial and Federal Governments were present at these Ceremonies.

#### **Administration Building**

At the Administration Building curtain wall construction and glazing were completed. Tile walls were completed in the basement, on the main floor and were well advanced on the second floor.

#### **Kitchen and Cafeteria**

At the Cafeteria section the plastering was substantially completed and laying of inlaid hardwood floors was underway. A battery of dumb waiters was installed leading from the kitchen to the cafeteria, and installation of windows was completed.

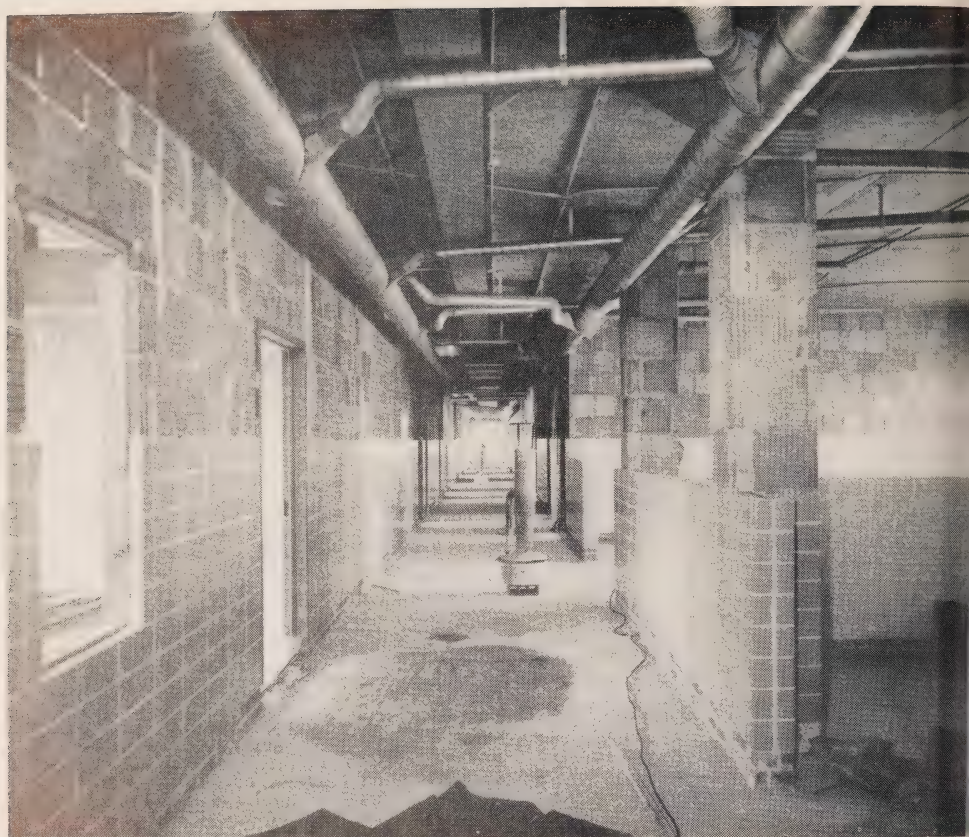
#### **Male and Female Senile Patients' Building**

Construction work progressed at the new 400-bed Male and Female Senile Patients' Building, described in the previous year's Report, which commenced in March, 1958.

All concrete foundation walls, planters, etc., were poured and basement floors in all wings were concreted.

The tunnel from Wing "D" to the Infirmary was completed, and in the connecting tunnel, Wings "E" to "F," the cast iron sewer was completed, and the walls and roof were poured.





Interior View, looking north-west, of the Corridor on the Second Floor of the Hospital  
200-Bed Male and Female Acute Treatment Building, Ontario Hospital  
HAMILTON

At Wing "D" the section of the roof from the intersection of Wing "E" west to the expansion was formed up with the reinforcing steel placed. Formwork was set up for columns and the roof deck of the second floor slab. In the basement, glazed tile was laid in the corridor extending through the connecting tunnel to the entrance of the Infirmary basement.

At Wing "E" a section of the roof slab north of the expansion joint was poured.

#### **Male and Female Admission and Acute Treatment Building**

Construction work, commenced in March, 1958, continued on the new 200-bed Male and Female Admission and Acute Treatment Building, described in the previous year's Report.

At Wing "F" the glazed and structural tile walls in the basement were completed. All cool rooms were completed and insulation of the suspended ceilings was in progress. Installation of terrazzo floors, including the staircase from the kitchen to the dining pantry on the main floor, was underway.



Exterior View of the new Laundry Building, Ontario Hospital  
HAMILTON



View showing the Interior of the new Laundry Building, Ontario Hospital  
HAMILTON



At Wing "G" the second floor deck was formed and all reinforcing steel and radiant heating coils were inserted.

At Wing "H" the installation of the suspended ceilings on the main and second floors was in progress.

#### **Laundry Building**

Erection of a new Laundry Building, described in the previous year's Report, commenced on November 21st, 1957, was completed on January 9th, 1959.

#### **Orchard House**

At Orchard House installation of new window frames and sash was completed and installation of new steam radiators was well advanced. Laying of underlay and new linoleum on the floors is under way.

#### **Power House**

Construction of the new Power House, as described in a previous year's Report, was completed and is in operation.

#### **Trades Building**

Clearing of the site for the new Trades Building commenced in June, 1958. The building will be one storey and basement, approximately 171 feet by 41 feet, of steel and concrete fire-resistant construction, walls of concrete block with brick veneer and 20-year bonded roof, steel bar joist and concrete slab. A loading ramp 8 feet wide will run along the face of the building, with access doors provided. The building will contain shops for engineers and the plumbing, steamfitting, electrical, painter and carpenter trades, staff and patients' washroom facilities and a smoke room. Service to the basement will be by stairway and elevator.

All foundation walls were erected and laying of concrete on the main floor is underway. Good progress was made on erection of brickwork on the main floor walls. Excavation for the steam line leading to the main steam tunnel was completed.

#### **General**

New supply lines to feed three new pumps in the old power house were installed.

Repairs, glazing and painting to windows of the Nurses' Residence were completed.

Replacement of the hot water heater at the East House was completed.

Replacement of glass and painting at the Infirmary and Amusement Hall was completed.

New floors were laid in the Infirmary Operating Room and adjacent rooms.

A new 6-inch water line was carried into the new Laundry Building and a sewage line was connected into the new yard sewer.



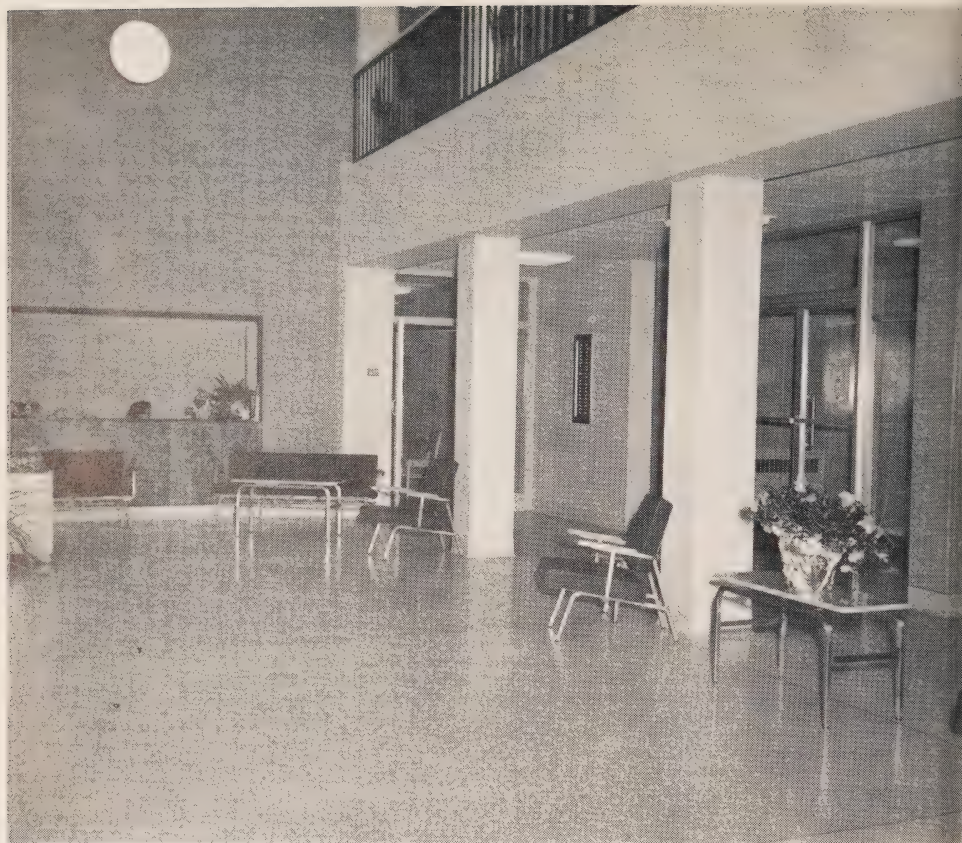


Interior View of the new Power House, Ontario Hospital  
HAMILTON



View showing progress of Construction of the new Trades Building, Ontario Hospital  
HAMILTON





View of the Foyer in the new 500-Bed Hospital Group, Ontario Hospital  
KINGSTON

## **Ontario Hospital, Kingston**

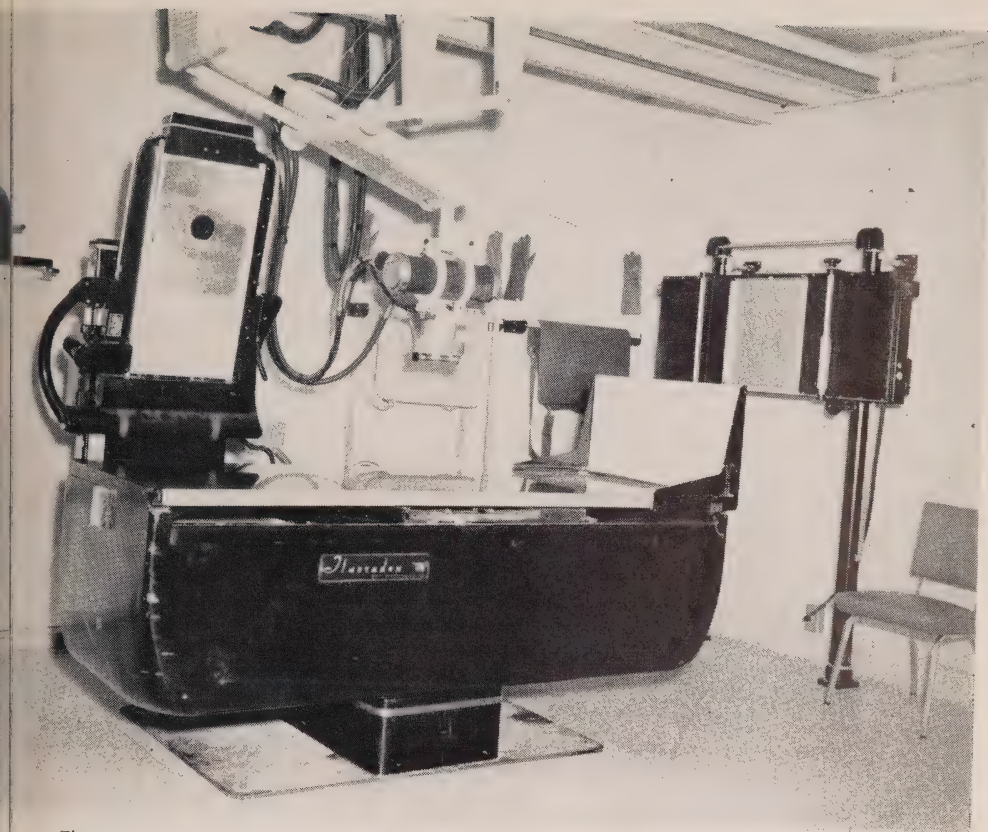
### **New 500-Bed Hospital Group**

Official Opening Ceremonies took place at the new 500-Bed Hospital Group, Ontario Hospital, Kingston, on Wednesday, November 26th, 1958.

Officiating at the ceremonies were representatives of various Departments of the Ontario Government prominent among whom were the Hon. William M. Nickle, M.B.E., M.C., Q.C., Minister of Planning and Development, and M.P.P. for Kingston, and the Hon. Mackinnon Phillips, M.D., C.M., LL.D., Minister of Health for Ontario. Approximately 500 persons attended the function and a very large gathering of some 5,000 people made an inspection tour through the new Hospital Wing.

### **Administration, Reception and Active Treatment Block**

Commenced in September, 1955, and described in previous Reports, the Administration, Reception and Active Treatment Block, with connecting passages, was completed.



The X-ray Machine for the new 500-Bed Hospital Group, Ontario Hospital  
KINGSTON

#### **Male Infirmary**

The Male Infirmary Building was completed.

#### **Kitchen and Dining Hall Building**

Construction work on the Kitchen and Dining Hall Building, with connecting passages leading to the Active Treatment Building and Infirmarys, was completed and equipment installed.

Alterations to the basement of the Dining Hall Building to provide facilities for the Occupational Therapy Department were substantially completed.

#### **Rockwood Division**

##### **Main Building**

The fireproofing programme was continued in the Main Building of the Rockwood Division. Installation of the fire alarm system was substantially completed. Installation of tile floors was completed.

Alterations to the beauty parlor in the Female Infirmary were substantially completed.





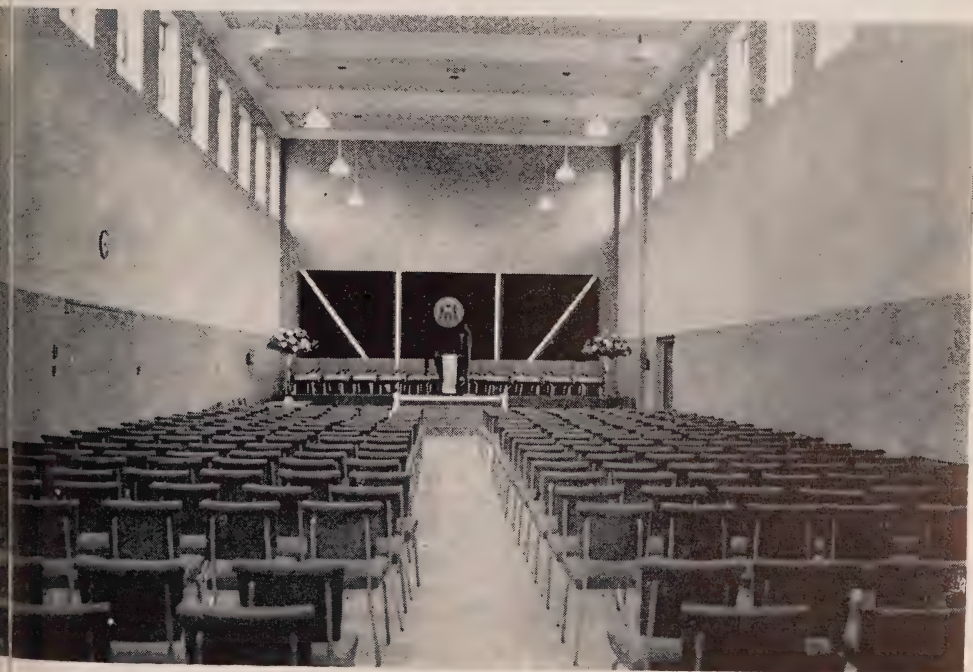
View of the Information and Reception Desk in the Foyer of the new 500-Bed Hospital Group, Ontario Hospital  
KINGSTON



Sectional View of the Cafeteria in the new 500-Bed Hospital Group, Ontario Hospital  
KINGSTON



View of the Operating Theatre for the new 500-Bed Hospital Group, Ontario Hospital  
KINGSTON



View of the Auditorium showing arrangements made for the Official Opening Ceremonies,  
New 500-Bed Hospital Group, Ontario Hospital  
KINGSTON

## **Rockwood Division**

### **General**

The new Laundry Building, fully equipped, was put into service on April 14th, 1958.

Work in the basement area of converting storage space to work space was completed.

Additional equipment, including an auxiliary 780 gallon tank, was installed in the new power house.

Overhaul of the steam pumps, and the 300 to 500 g.p.m. electric pump to provide standby service, was completed.

Conversion of the existing piping was completed for the steam distribution system covering the entire heating system from the new power house and including the existing hospital and the new 500-bed hospital.

Installation of the Television System was substantially completed.

Installation of piping and radiation of Wards 2, 4, 6 and 8 at the Male wards was completed.

The old skating rink and the Farmer's Residence on King Street were demolished and demolition of the Industrial Building and the coal bunker at the old power house is underway.

The electrical supply system for the 500-bed hospital group was completed.

The telephone system was substantially completed.

Renovation of "H" huts to provide temporary accommodation for 300 patients from the Orillia Ontario Hospital School was completed.

## **Ontario Hospital, London**

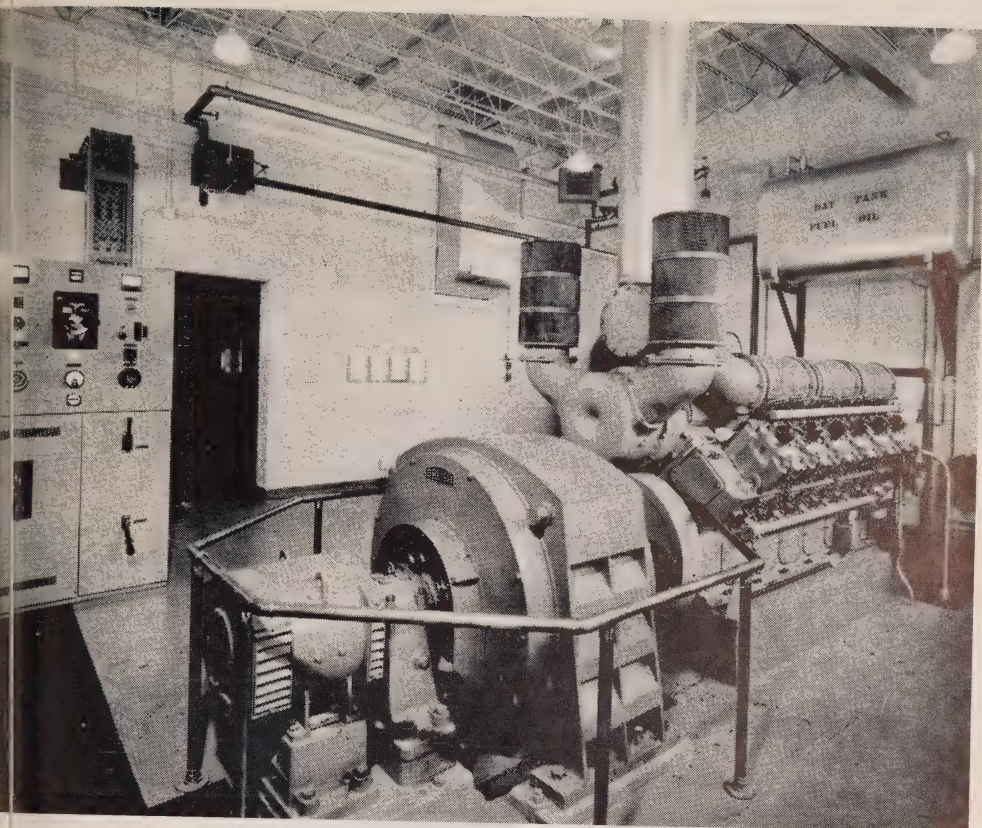
### **Diesel Generator Plant**

Construction of the building referred to in the previous year's Report and the installation of the new 500 KW diesel generator was completed.

### **Power House**

The lines for the construction of a new Power House, to house three boilers, with coal handling, ash disposal, and ancillary equipment, were staked out, construction sheds erected and Hydro carried to the location. Excavation was completed and footing forms placed.





Interior View showing the new Diesel Generator Plant, Ontario Hospital  
LONDON

#### General

Rewiring of the North Building was substantially completed and renovation of the electrical system in the Main Building was well advanced.

At the old power house the boiler was removed and a new boiler and fuel tank were installed. The concrete wall and ceiling were replaced and the door opening re-poured.

The installation of the new asphalt roof on the Main Building is nearing completion.

Three food elevators to Wards 3, 5 and 7 in the Main Building were installed.

Reroofing and reflashings of Wards 3 and 5 of the Main Building was completed.

Exterior painting of all buildings was substantially completed.

Fire prevention work on the fire stairs of Wards 3 and 5 of the Main Building and on the stairs of the North Building was completed.



Sectional View of the New Addition to the Central Building of the Ontario Hospital  
NEW TORONTO

## **Ontario Hospital, New Toronto**

### **Additions and Alterations to Central Building**

#### **Food Service Area**

The first stage of construction, which included the kitchen, refrigerators, food preparation and storage rooms, was completed and occupied by the Hospital staff.

At the end of the fiscal year the second stage of construction which will include the dining room, food serving counters, locker and washrooms, dietitian office and small equipment storage rooms, was closed in and all rough work completed in readiness for the finishing trades.

#### **General**

Fire resistant work at No. 1 Cottage, Female Pavilion, which comprises a two-and-a-half storey brick building with wooden floors, was completed. Wooden floors were replaced with floors of steel and concrete and lighting fixtures were replaced.



# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

## Ontario Hospital, North Bay

### Administration Building

The electronic temperature moderator controls were replaced by a similar mercury electronic type.

### Kitchen and Office Building

In order that the existing steel water storage tank might be drained and a protective coating applied to the interior, a steam mixing valve was installed to provide sufficient hot water for all domestic requirements.

### Laundry

All work in connection with conversion of the former storage space in the northerly end of the laundry basement to the mending, sorting and receiving rooms, including installation of the scale pit and scale assembly, was completed.

### Nurses' Residence

Renovations in the Nurses' Residence to provide kitchen and washroom facilities and to convert rooms 114 and 115 in the infirmary section to a nurses' station, were completed.

### Power House

The standby diesel power plant was installed and boiler No. 3, with stokers, was installed. Installation of the fly ash system for boilers Nos. 1, 2 and 3 was completed. Shower room facilities and locker room space in a portion of No. 2 maintenance shop was completed.

### Pavilion F-1

Additional installations in rooms 3, 7, 8 and 9 to provide a pathology laboratory, dental clinic, X-ray room and dark room were completed.

Installation of four additional bathrooms to accommodate infirm patients was completed.

### Pavilion F-2

Work was completed on additional services in room 35 to meet the requirements of a beauty parlor.

### Pavilion M-1

Installation of four additional bathrooms to accommodate infirm patients was completed.

### General

All street lighting for adjoining roads and parking areas, comprising 46 light standards, was completed and put in operation on January 14th, 1959.

General areas were landscaped and seeded.





View showing construction progress of the new Laboratory Building,  
and showing part of the Retaining Wall, Ontario Hospital  
NORTH BAY

### Laboratory Building

Construction of a new Regional Laboratory Building to serve the needs of this Ontario Hospital and the area surrounding North Bay, described in the previous year's Report, commenced with the preparation of the site early in 1958. The building was completely closed in, all interior masonry partitions were erected and heating is being provided by permanent radiation. The interior construction work was substantially completed.

### Ontario Hospital School, Orillia

#### Administration Building and Cottages "O" and "D"

The fire resistant programme continues in the upper portion of the building. steel work was installed and slabs installed on all floors and roof. Ducts for electrical work were set and concrete poured to floor level. Construction of tile partitions for the washrooms, telephone room and filing room on the ground floor continues.

An elevator shaft was constructed to penthouse level. Renovation of the staff washrooms in Cottage "O" was completed.



View showing Fireproofing Progress on the Upper Section of the Northerly Part of the Administration Building, Ontario Hospital School  
ORILLIA

#### Boys' and Girls' Hospital

New equipment was installed in the diet kitchen and serveries and the rooms were painted.

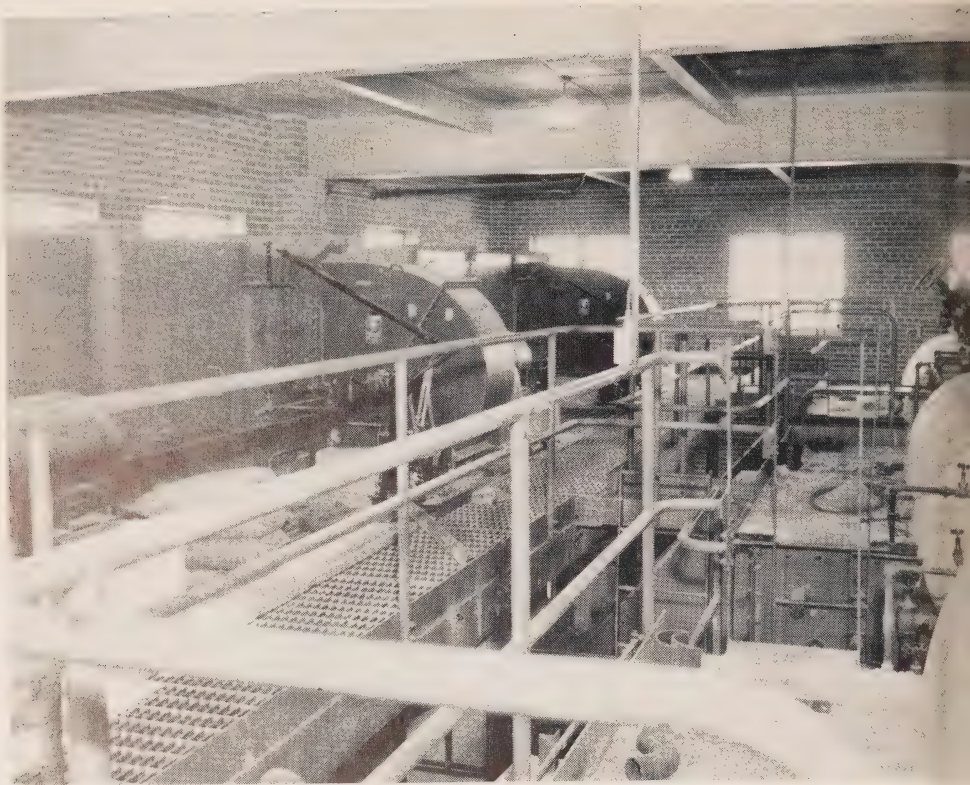
#### Boys' and Girls' Infirmary

The erection of protecting walls at the exterior doors and construction of vestibules and canopies as protection against extreme weather, and changing the swing of 20 exterior doors outward instead of inward, in accordance with the Fire Marshal's recommendations, was completed.

#### Power House

Construction of the tunnel connecting the old boiler house and the new Power House was completed, and all keys to the tunnel and new Power House were turned over to the Department of Health on October 30, 1958.





Interior View of the new Power House showing the Platform for Fans at rear of the Boiler  
Ontario Hospital School  
ORILLIA

#### General

The 6-inch water main at the farm area was repaired and relocated. The water main leading to the beach for the construction of six outdoor toilets in the recreation grounds was completed. The railway trestle at the old coal siding was demolished. The roof of the old boiler house was repaired and weatherproofed. Hot air oil-burning furnaces were installed in four staff houses, old floor gratings removed and new hardwood floors laid. Fire fighting equipment was installed in the cow barn. Installation of electrical ducts in the old boiler house to connect up to the new switch-board was underway.

#### Ontario Hospital, Penetanguishene

##### Criminally Insane Building (Addition)

Work continued on the extension to the Criminally Insane Building and this project was substantially completed.

#### General

Plumbing renovations in four wards of Cottage "B" and five wards of the Main Building were completed.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

Remodelling of the main kitchen and transformer room was substantially completed.

Laying of new tile floors in the easterly and westerly sitting rooms of "B" Block was completed.

Repairing and painting of all farm buildings and elevated wooden structures of the Main Building, Cottages "A" and "B" and Utility Shops is nearing completion.

Repairs to the eavestroughing of the Superintendent's and Bursar's residences were completed.

Work on the new sewage disposal plant was completed.

Replacement of the 8-inch sanitary trunk sewers, and construction of four new manholes and connections, were completed.

Revision of the electrical wiring at the Main Building, kitchen and transformer room is nearing completion.

### **Ontario Hospital, Port Arthur**

#### **General**

A new ventilating system was installed in the main kitchen and the walls were redecorated.

The laying of linoleum tile in several basement rooms was completed.

Renovation work on the original steam main line leading from the Power House to Pavilion F-1 was completed.

Work on the new substation switchboard and power feeders was completed, a diesel emergency generator was installed and the main power supply to the hospital is now in operation.

Alterations to the southerly half of the basement of the Administration Building were completed.

A concrete retaining wall at the driveway to the rear of the kitchen reception building entrance was completed.

Steel shelving was installed in the vaults of the Administration Building.

Installation of two additional special bathtubs was completed.

Repairs to the Power House chimney stack were made.

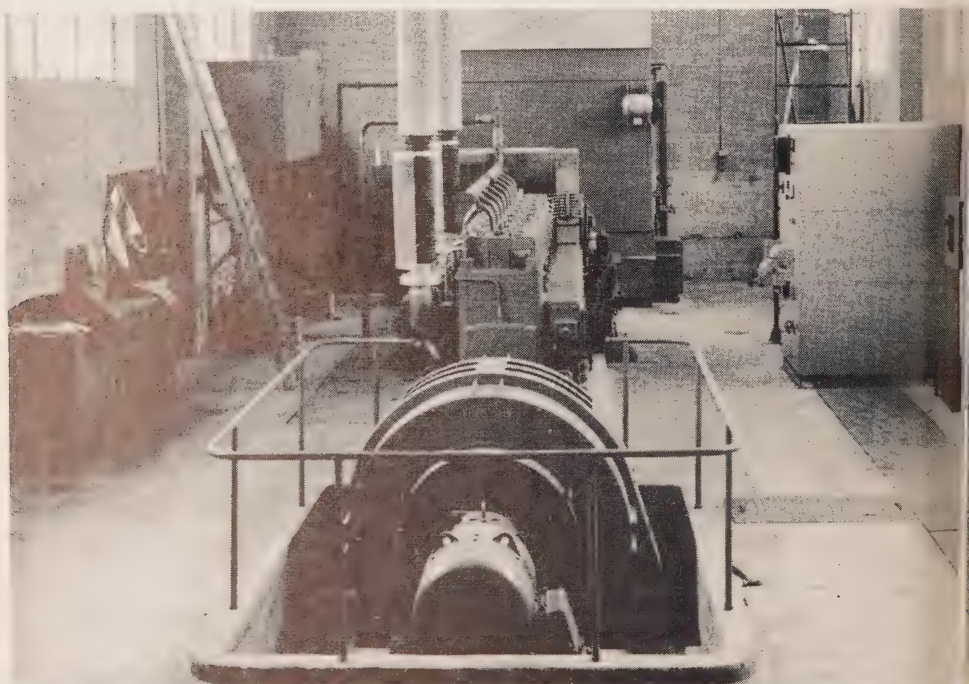
### **Ontario Hospital, St. Thomas**

#### **Power House (Addition)**

Construction of the addition to the Power House was completed and the diesel motor and generator were installed. An additional emergency lighting system was installed.



View of the New Addition recently completed at the Power House, Ontario Hospital  
ST. THOMAS



Interior View of the Diesel Room, Ontario Hospital  
ST. THOMAS



View showing Substantial Completion of the Root Storage Building, Ontario Hospital  
ST. THOMAS

#### Root House

Exterior construction of a root storage house adjacent to the existing root house and east of the laundry building, was substantially completed. This root house is of brick construction approximately 100 feet by 46 feet by 15 feet and will be used for the storage of apples and perishable vegetables. It will contain refrigeration equipment to control temperature and will be cork lined for insulation.

Repairs to the existing root house were completed.

#### General

At the main kitchen the terrazzo floor was replaced with quarry tile and the southerly wall was repaired. Stainless steel tables, sinks and a new dishwasher were installed.

Replacement of steam lines was completed.

Four driers were installed in the laundry building.

Cleaning and painting of the water tower was completed.

Maintenance work on the elevators was completed.

Twelve hot water tanks were repaired and recoated.

Installation of a 6-inch fire hydrant with a 6-inch offset valve, and valve box off the 10-inch C.I. supply main, adjacent to the coal pile, was completed.

At the Administration Building the fluorescent lighting work is nearing completion.



## **Ontario Hospital School, Smiths Falls**

### **Group "A" Buildings (6 Residential Pavilions and 1 Male and 1 Female Dining Hall)**

Sanitary sewers leading from the Female Pavilions were cleared of blockages and cleaned.

### **Group "A-1" Buildings (Kitchen, Stores, Staff Cafeteria, Bakery, etc.)**

An unused basement room was floored with concrete to provide recreational space. Insulation of refrigerators in the kitchen and stores was repaired.

### **Group "A-2" Buildings (6 Residential Pavilions and 1 Male and 1 Female Dining Hall)**

New glazed tile was laid on corridor walls.

### **Group "A-3" Buildings (Vocational Training Wing)**

Installation of the fire alarm system was completed

### **Group "A-4" Buildings (Power House, Laundry, Maintenance Workshops)**

Lawns were replaced in sunken areas around the pumphouse.

### **Group "A-5" Buildings (Medical, Clinical, Surgical Wing)**

Installation of the fire alarm system was completed.

Permanent repairs were made to the roof of the female Infants' ward.

A hot water supply line leading to the X-ray development room was installed.

Walls were cleaned, old paint removed and tiles replaced to correct damage caused from roof leakage in the Clinical Building and corridors.

A new sump and pump were installed in the basement of the Clinical Building.

### **Group "A-9" Buildings (Administration, School, Auditorium and Gymnasium)**

Adjustments were made to the fire alarm system.

The stage lighting system was installed and the stage extension floor painted.

### **General**

Two broken sanitary sewers were replaced.

Eleven hot water storage tanks were relined with cement.

Demolition of the temporary stores and workshop buildings is underway.

### **Central Laboratory, Toronto (360 Christie Street)**

Construction of a one-storey, three-room addition, of concrete block, to the south-easterly Laboratory Block was completed.



View showing progress of construction of the new Laundry Building, Ontario Hospital  
TORONTO (999 QUEEN STREET WEST)

Duct work for four fume cabinets was completed.

Five washrooms at the Annex were substantially renewed with installation of new fixtures, copper piping, plastic wall tile and vinyl floor tile.

Replacing of weeping tile and foundation walls, and waterproofing was substantially completed.

## **Ontario Hospital, Toronto (999 Queen Street West)**

### **Dining Room and Serveries**

Excavations for two new additions to the Main Building were completed, foundation walls of the westerly wing were completed and work is in progress on the footings for the easterly wing. The new buildings, comprising Dining Rooms and Serveries for patients and staff, will be attached to the existing buildings on the southerly side. They will be three storeys in height with part basement of brick walls and concrete floor. The Easterly Wing Addition will be utilized for female patients and is located near the existing Chapel, with the basement containing a staff dining room. The basement in the male Westerly Wing Addition will be utilized for storage purposes. Each wing will provide approximately 2,900 square feet of floor space consisting of dining rooms and serveries, with the serveries, in part, being a section of the existing building.



View of the Renovated Hospital Building at Thistletown, now used as a Mental Hospital for the Care and Treatment of Disturbed Juvenile Patients, Ontario Hospital  
TORONTO

### **Laundry Building**

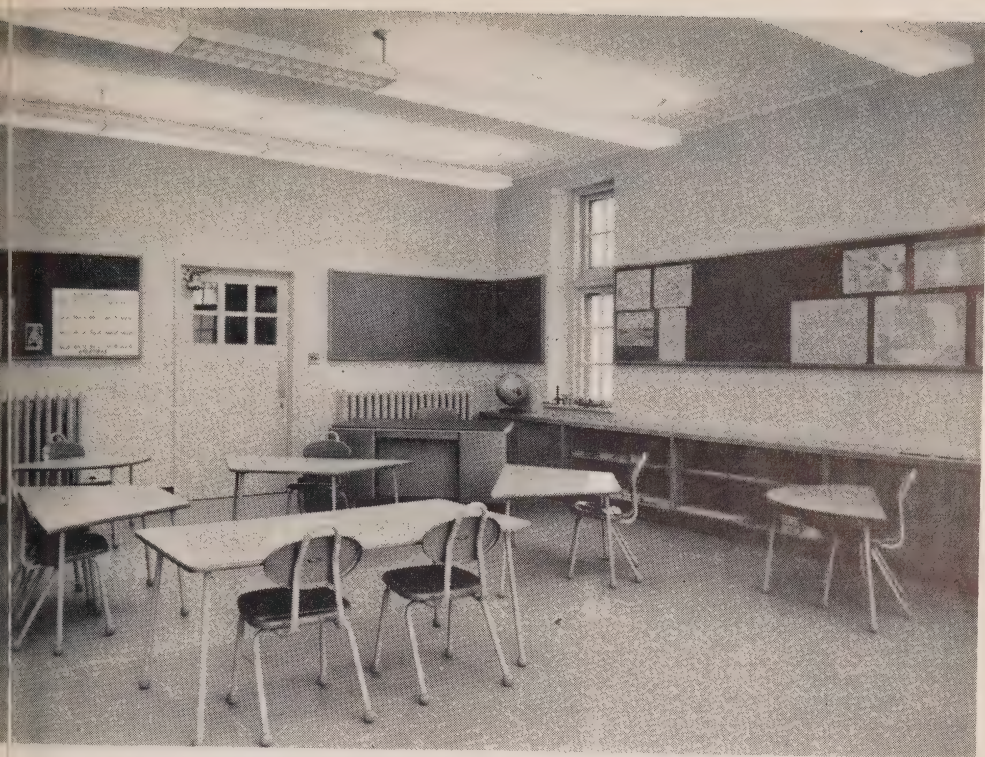
All foundation walls were poured, precast roof slabs were erected and work continues on sewer and water layouts, and erection of structural steel for the construction of a new Laundry Building similar in plan to the Laundry Building at the Ontario Hospital, Hamilton. The building will be divided into three basic areas for assorting, assembling and laundering operations, and will be fully equipped to carry the work load of the Hospital, with provision for additional equipment when required to meet future expansion.

The building, approximately 241 feet by 102 feet, will be of one-storey brick and block construction on structural steel frame, with foundation and basement walls of concrete. A small basement 73 feet by 45 feet will be located at the north-westerly corner. Partitions throughout will be spectra glazed concrete block. The roof will be pre-cast lightweight roof tile on structural steel frame, and the floor will be concrete with traprock finish. The basement area will be used as a mechanical room and storage area and will be provided with a sidewalk type elevator.

### **Main Building (Old)**

At the old Main Building construction of a new morgue in the basement of the south-easterly section was completed. Work continues on major plumbing alterations; on the construction of 16 new archways in wards to carry conduits of the new electrical system, and on the replacement of the old trunk sewer with one of conduit pipe construction.





Sectional View of a Typical Classroom at the Newly Renovated Ontario Hospital, Toronto  
THISTLETOWN

### **Ontario Hospital, Toronto (Thistletown Division)**

Renovations at the Hospital buildings at Thistletown, to provide a mental hospital for the care and treatment of juvenile patients, are nearing completion. It is worthy of note that this Ontario Hospital is the first in Canada where research is carried on for the treatment of emotionally disturbed children.

Pending construction of the new Gymnasium and Swimming Pool temporary storage rooms in the basement and play areas were arranged for patients.

The ground floor, consisting of one female and one male wing, was completed and turned over to the Department of Health.

The new kitchen was completed.

Work continues on the second floor.

Repairs and redecoration of two floors at the Administration Building were substantially completed.

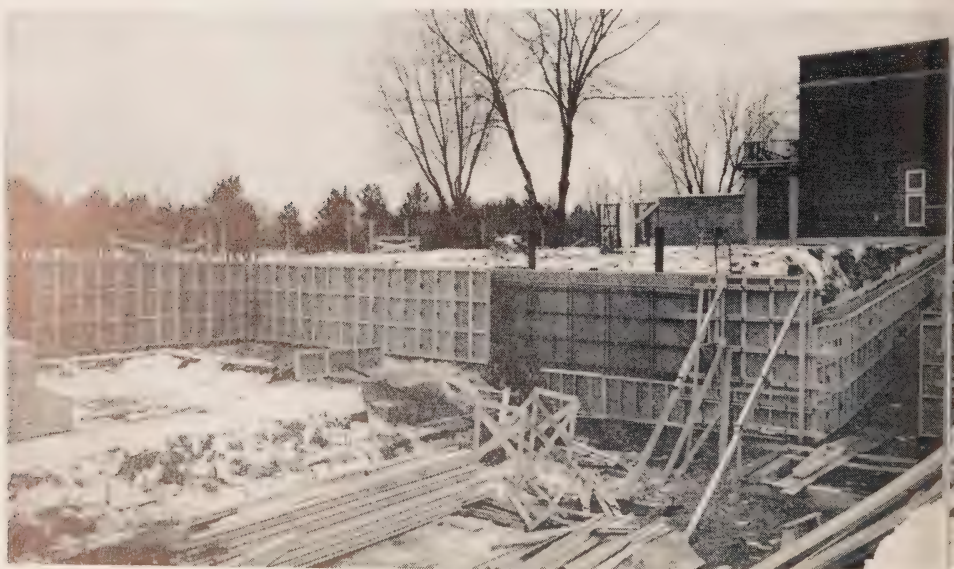
An 80-foot television antenna was erected.

Playground equipment was set up around the grounds.

Custom built cabinets for the special therapy rooms were fabricated.



View of the new Kitchen Installations, Ontario Hospital, Toronto  
THISTLETOWN



View showing construction progress of the new Gymnasium and Swimming Pool,  
Ontario Hospital, Toronto  
THISTLETOWN



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

### Gymnasium and Swimming Pool

A new Gymnasium and Swimming Pool is under construction. The building will be approximately 103 feet by 121 feet and will consist of concrete foundation walls 16 inches in thickness with 10-inch glazed blocks and 4-inch brick veneer walls. The roof will be constructed on long span steel joists with an asbestos cement corrugated roof deck.

All perimeter foundation walls were poured. Forming for partial first floor slab is underway and forming for the swimming pool was completed.

### Psychiatric Hospital, Toronto

Alterations to provide additional washroom facilities on the first, second and third floors of the Main Building were substantially completed.

At the old Zion Church, access and exit doors, enclosing of stair wells and installation of a new furnace to comply with recommendations of the Ontario Fire Marshal were substantially completed.

Paving of the boiler room addition was completed.

### Ontario Hospital, Whitby

#### Additions to Reception Building and Male and Female Wings

The construction of additions to the Reception Building and Male and Female Wings, designated as Wings "A," "B," "C" and "D," "E," and "F," and described in the previous year's Report, were structurally completed.

#### Trades and Occupational Therapy Building (New)

The old Trades Building was dismantled to make way for the construction of a new Trades and Occupational Therapy Building which will be similar in design to that at the Ontario Hospital, Hamilton, with the exception that there will be a second floor devoted to occupational therapy. Overall dimensions of the new structure will be approximately 171 feet by 41 feet with brick walls, concrete floors and roof with external facings of brick and stucco finish to conform to the existing buildings of the Hospital. The basement will be used for central and lumber storage with the first floor occupied by the maintenance staff of various trades. The second floor will be devoted to occupational therapy; for carpenters, and will also contain space for a sewing room and a small shoemaker shop.

The concrete roof slab was completed and the construction of exterior walls is nearing completion.

#### Transformer Room Addition (New)

Construction work on the new transformer room addition to the Power House is nearing completion. Installation of equipment and of 4-inch pipes in underground trenches is well advanced.

### General

Construction of the new Sewage Disposal Plant was substantially completed.







showing progress of construction of the new Trades and Occupational Therapy Building,  
Ontario Hospital  
WHITBY

Laying of tile and resurfacing the basement floor in the Amusement Hall was completed.

Repairs to the exterior walls of the Power House were substantially completed.

Repairs to the floor in the Dairy Barn are underway.

At the 16 cottages repairs to windows, frame and sash are well advanced, exterior painting is nearing completion and the installation of eavestrough and conductor pipes is underway.

Renovation of the plumbing and plumbing fixtures at the Female Infirmary is in progress, and alterations at the Dental Clinic, Female Infirmary, were completed and new equipment installed.

Renovation of the plumbing, plaster and tile work at the Male Infirmary was substantially completed, and construction of a new felt and built-up gravel roof is nearing completion.

## **Ontario Hospital, Woodstock**

### **CHEST DISEASES DIVISION**

#### **Active Treatment Wing**

Official Opening Ceremonies took place at the 560-Bed Chest Diseases Unit, Ontario Hospital, Woodstock, on Wednesday, October 29th, 1958.



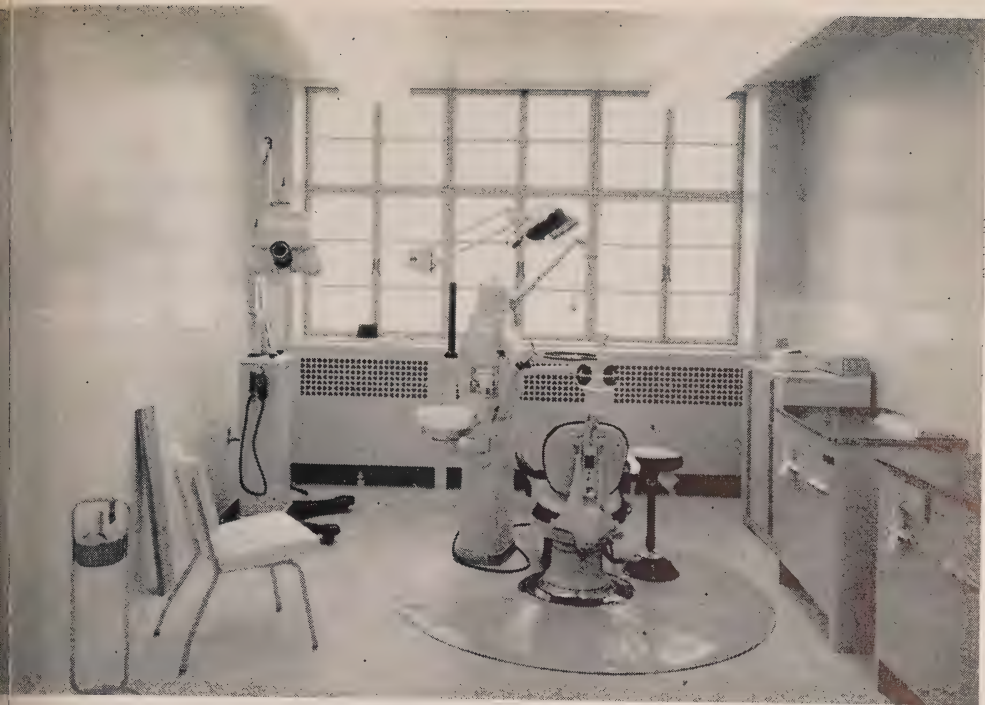


View showing a section of the Board Room, new 560-Bed Hospital Unit, Ontario Hospital  
WOODSTOCK

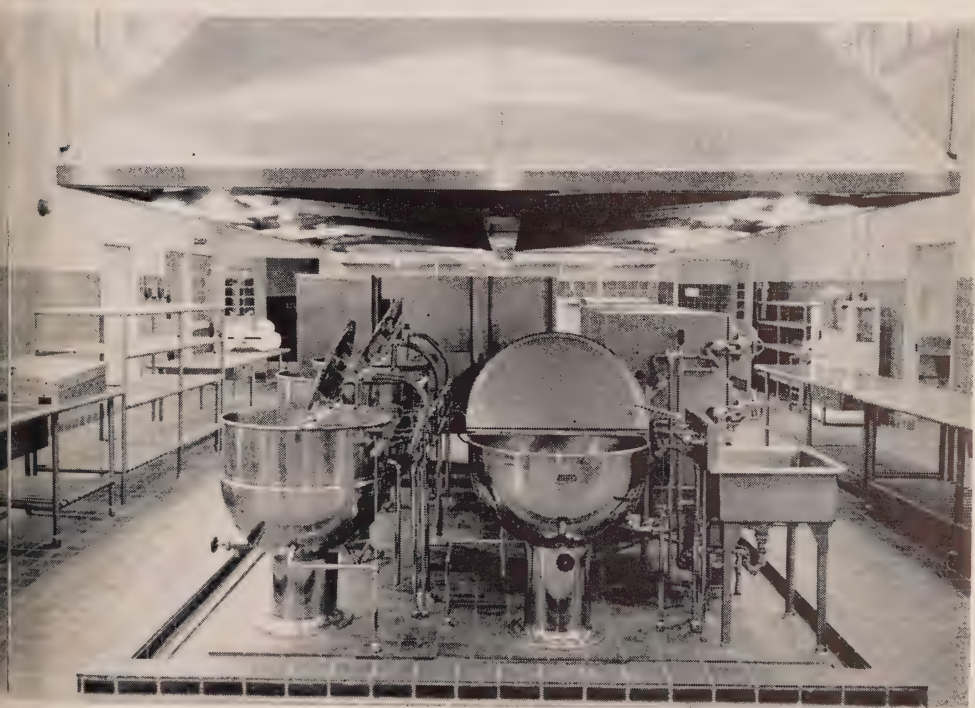


View of one of the Hospital Wards, new 560-Bed Hospital Unit, Ontario Hospital  
WOODSTOCK

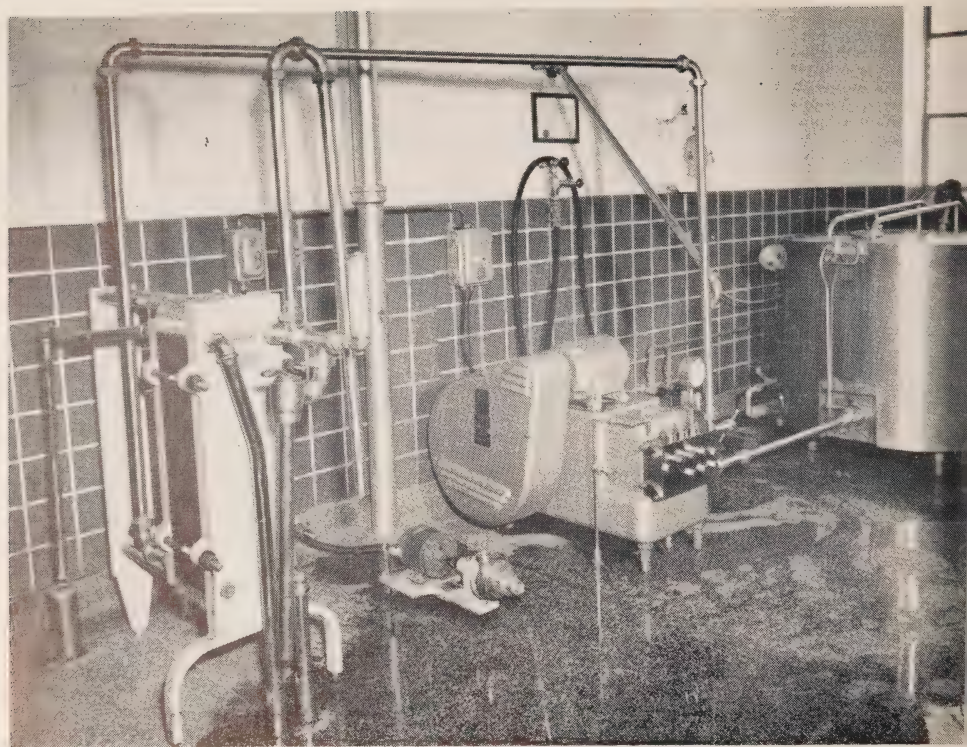




View of the Dental Clinic, new 560-Bed Hospital Unit, Ontario Hospital  
WOODSTOCK



Partial View of the Kitchen showing Equipment, new 560-Bed Hospital Unit, Ontario Hospital  
WOODSTOCK



Sectional View of the Interior of the Pasteurizing Room, new Pasteurization Building  
Ontario Hospital  
WOODSTOCK

Officials of various Provincial Government Departments were in attendance at this function in a representative capacity and approximately 5,000 persons of Woodstock, and the environs of Woodstock, were present for the Ceremony and to make a tour of inspection of the Unit, after the Hon. Mackinnon Phillips, M.D., C.M., LL.D., Minister of Health, declared the building officially opened.

#### **EPILEPTIC DIVISION**

##### **Pasteurization Building**

The new Pasteurization Building, mentioned in the previous year's Report, is now in service and all equipment is operating satisfactorily.

##### **Power House**

This project, referred to in the previous year's Report, was completed.

##### **Trades Building**

All work was completed on the new Trades Building, referred to in the previous year's Report, which was turned over to the Department of Health in May, 1958.





Exterior View of the new Piggery at the Deller Farm, Ontario Hospital  
WOODSTOCK

## **FARM BUILDINGS**

### **Boar Pen — Deller Farm**

Construction of a double boar pen with two boar runs and steel spindle fence was substantially completed.

### **Piggery — Deller Farm**

Construction of the new Piggery, mentioned in the previous year's Report, was completed and the building turned over to the Department of Health in May, 1958.

### **Root House — Deller Farm**

This project, referred to in the previous year's Report, was completed.

### **New Slaughter House — Deller Farm**

Construction commenced in October, 1958, on the erection of a new Slaughter House. The building will be 28 feet 4 inches by 24 feet 4 inches with foundation and walls of ten-inch concrete blocks with metal roof on one-inch boarding, and quarry tile dado 7 feet in height. This building will contain a scalding tub, cutting table and tracks 9 feet by 7 feet in the cooler for hanging purposes.

Concrete block work was completed and the steel beams were set, and the roof and insulation of the underside of rafters was completed. Excavation for the septic tank and grease trap was completed.





Interior View showing the South Wing of the new Piggery at the Deller Farm, Ontario Hospital  
WOODSTOCK



Winter View of the new Root House at the Deller Farm, Ontario Hospital  
WOODSTOCK

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

## General

Erection of the television tower was completed and an amplifier protection and service shelter was constructed at the base of the tower. Power was fed to the tower warning lights and the amplifier was installed and is in operation.

At the Assembly Hall, Epileptic Division, removal of old paint, repairing of cracks, and laying of vinyl tile in the beauty parlor, library, offices, main hall and two patients' therapy rooms was substantially completed.

Exterior painting of all buildings, Epileptic Division, was completed.

Exterior painting of cottages "1" and "B" was completed.

Painting of wards "C" and "D" was completed

All masonry tile work and installation of plumbing and new fixtures in cottages "A" and "B" was completed.

Extensive alterations and equipping of the laundry is nearing completion.

The new KV underground cable from the switch room to V-4 was installed and placed in operation. A secondary distribution centre was completed in the Occupational Therapy Building and all branch conduits and circuits connected. Hydro wires leading to the Epileptic Hospital were disconnected and the unit is now supplied entirely through the new sub-station at V-1.

Concrete base for the diesel generator was poured.

The old piggery was demolished.

Electrical distribution work continues.

## For The

# ONTARIO HOSPITAL SERVICES COMMISSION

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### Toronto — Ontario Hospital Services Commission Head Office Building

Preparation of the site for the construction of the new Head Office Building for the Ontario Hospital Services Commission commenced in August, 1958.

When completed this project will comprise a ten-storey and basement office structure, with an ancillary garage equipped with grease pit and drivers' room, on a landscaped site on the easterly side of Yonge Street just south of Eglinton Avenue.

The foundation, foundation walls, and floor slabs on earth will be of reinforced concrete with the structural frame of steel columns and beams with flexicore floor slabs. The exterior walls will consist of red brick with stone base and trim, and the roof of 20-year bonded built-up roofing with two one-inch layers of rigid roof insulation. Interior partitions will be of clay tile for plaster base or structural clay facing tile, either glazed or unglazed, as may be required. Most of the partitions are to be of the demountable type and of glass and metal construction; floors of terrazzo or vinyl tile; ceilings of perforated metal acoustics; interior doors of fabricated white birch solid core slab and exterior doors of hollow metal with fire exit doors as required. Door frames will be fashioned of pressed steel.

The plans call for three passenger elevators and one service elevator which will also be used as a passenger elevator during the peak periods. An additional passenger elevator is planned for the future. Package type, low pressure, steam boilers fired by oil, are to be installed.

A fire alarm system is provided for, with a station on each floor, and connecting to an alarm bell in the boiler room. Emergency power and lighting for stairways, elevators, and essential motors, is also to be provided.

Provision has been made in the basement for a refrigerated garbage storage room with facilities for washing and cleaning garbage cans.

A vertical selective conveyor leading from the central mailing room on the ground floor to the upper floors is provided for. Each floor will have a receiving and dispatching station operated by a selective push-button system, and there will be a letter chute from all floors.

Concrete sidewalks and curbs, asphalt roadways and parking areas, and landscaping on the street elevation, is part of the plan. The sidewalk at the front entrance is to be equipped with snow melting facilities.

The Printing Department will occupy the basement, where provision has been made for general storage, mechanical equipment and helpers' lockers.

The Personnel Department and cashiers, mailing facilities and goods receiving station is to be accommodated on the ground floor.





showing early construction progress of the new Ten-Storey Head Office Building for the  
Ontario Hospital Services Commission  
TORONTO

The employees' cafeteria, lounge and kitchen facilities will be located on the second floor. The kitchen has been planned so that full course meals may be prepared.

The third, fourth, fifth, sixth, seventh and eighth floors are to be devoted to general office procedure. The fourth floor will contain modern data processing equipment.

The ninth floor is to be leased to the Blue Cross Plan for Hospital Care for such insurance work as they will continue to operate after the bulk of the operations are assumed by the Ontario Hospital Services Commission.

The executive offices of the Commission will be located on the tenth floor.

Construction work undertaken is as follows:

Fencing and clearing of the site was completed; the City water supply was extended to the site and all exterior foundation walls of the building proper, and all footing and caps, were completed.

The areaway at the westerly side of the building was completed, and placing of areaway drains is underway. The areaway at the southerly wall was formed and base plates were placed.

Erection of structural steel is in progress.

## For The DEPARTMENT OF HIGHWAYS

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The expansion of facilities for the Department of Highways is a continuing one and calculated to extend over a ten-year period. Extensive building operations were undertaken and are being carried forward in various parts of the Province to meet these requirements. Construction work during the fiscal year 1958-59 progressed as follows:

### Arden

Construction of a 4-bay standard Patrol Garage progressed during the year to substantial completion.

### Bancroft

Construction of a standard plan 14-bay Divisional Garage, commenced in May, 1957, was completed and occupied by the Department of Highways in October, 1958.

### Barriefield

Work was completed on the addition to the Patrol Storage Garage, comprising an office, locker room and tool room. Installation of a suspended forced air heating unit was completed, and the addition was occupied in December, 1958.

### Beardmore

A new deep well was drilled for the 3-bay Patrol Garage.

### Bloomfield

In December, 1958, the site was prepared for the erection of a 5-bay Patrol Storage Garage. Erection of brickwork was in progress at the end of the fiscal year.

### Burlington

Preparatory to the construction of an 11-bay Patrol Garage, a 6-inch water line was carried across the highway, and a hydrant installed, to provide water for building operations. At the end of the fiscal year erection of brickwork and masonry was well advanced with work in progress on insulation of garage doors, installation of steel window sash and the work of the mechanical trades. Overall completion of the project was approximately 70%.

### Carleton Place

Excavation work commenced in November, 1958, for the erection of a new 5-bay Patrol Garage. At the end of the period good progress or erection of masonry walls was accomplished.

### Combermere

A well was drilled to provide an adequate water supply preparatory to the erection of a 4-bay Patrol Storage Garage.



View of the substantially completed 4-Bay Standard Patrol Garage  
ARDEN



View showing early construction work on the new 5-Bay Patrol Storage Garage  
BLOOMFIELD





View showing progress of construction of the new 11-Bay Patrol Garage  
BURLINGTON



View showing construction progress of the new 5-Bay Patrol Garage  
CARLETON PLACE



View of the new 4-Bay Patrol Storage Garage  
EAR FALLS

#### Ear Falls

Construction of a 4-bay Patrol Storage Garage was completed and the building turned over to the Department of Highways on November 18, 1958.

#### Eganville

Well drilling operations were completed preparatory to the erection of a 4-bay Patrol Storage Garage.

#### Elmsley

Erection of an addition to the 3-bay Patrol Storage Garage in South Elmsley to contain an office, locker room and tool room was completed in June. Installation of a suspended forced air heating unit was in progress at the end of the fiscal year.

#### Emo

A new 10-year bonded smooth surface asphalt roof, and new galvanized iron flashings, were installed on the Patrol Garage and Warehouse.

#### Englehart

A new heating system was installed.



View showing the new Addition to the Three-Bay Patrol Storage Garage  
ELMSLEY

#### **Geraldton**

Preparation of the site for the erection of a 4-bay steel Patrol Garage was completed and the prefabricated steel building was erected in March, 1959.

#### **Haliburton**

Screens were installed on the roof hoppers, joints in roof drain-pipes were recorked and the wall between the washroom and furnace room was repaired at this 5-bay Patrol Garage.

#### **Kashabowie**

Drilling for a new deep well was completed and a satisfactory supply of water obtained on the site for the proposed new Patrol Garage and Camp. A temporary pumping unit was installed pending delivery of the new deep well pump.

#### **Kenora**

Installation of electric power service to the temporary carpenter and paint shops at the 14-bay Divisional Garage, and installation of lighting fixtures in the material stockroom, were completed. Installation of new water service from the garage to the heated storage building was also completed. Installation of a standby fresh water pump, which includes increasing water pressure to improve the operation of flushometers, is in progress. Repairs were made to the heated storage building oil burner units to eliminate air-lock, and to oil burner control equipment, transformers and relays on the main heating system. Placing of four pairs of steel sash in the upstairs stockroom is in progress at the Divisional Garage.





View of the new 14-Bay Divisional Equipment Garage, recently completed for  
the Department of Highways  
KINGSTON

#### Kingston

Construction work continued to completion on the 14-bay Divisional Garage referred to in the previous year's Report, and the building was turned over to the Department of Highways for occupancy in December, 1958.

The 9-bay Heated Storage Building, also referred to in the previous year's Report, was completed in October, including heating and electrical installations, and the building was turned over to the Department of Highways for occupancy.

#### Madawaska

Well drilling equipment was brought to the site in September to procure an adequate supply of water preparatory to the erection of a 4-bay Patrol Storage Garage.

#### Marathon

Construction of a 4-bay Patrol Storage Garage, mentioned in the previous year's Report, was completed in October and the building turned over to the Department of Highways for occupancy on October 9, 1958.

#### Marysville

Foundation work was completed, waterproofed and backfilled for the erection of a 6-bay Patrol Storage Garage.



View of the new 9-Bay Heated Storage Building  
KINGSTON



Viewed here is the recently completed 4-Bay Patrol Storage Garage  
MARATHON



View showing the One-Storey and Basement Addition to the District Office Building  
PORT HOPE

#### **Mattawa**

A water pressure unit was installed in the 4-bay Patrol Storage Garage.

#### **Morrisburg**

Construction work was completed for the erection of an office and storage addition to the Patrol Storage Garage, which was described in the previous year's Report.

#### **Ottawa**

Some additional lighting was installed at the 14-bay Divisional Garage. Sewers were changed from the septic tank to connect with the City system, and grading of the site by Department of Highways forces was undertaken.

#### **Port Hope**

Construction work on a one-storey and basement addition to the Department of Highways Office Building, mentioned in the previous year's Report, was completed and the addition turned over to the Department of Highways in November, 1958.





View of the newly constructed 5-Bay Patrol Storage Garage, Junction Highways 28 and  
PORT HOPE

Construction of a 5-bay Patrol Storage Garage at the junction of Highways No. 28 and 115, was completed and the building turned over to the Department of Highways in September, 1958.

#### **Powassan**

Well drilling equipment is on the site to procure an adequate supply of water preparatory to the erection of a 4-bay Patrol Storage Garage.

#### **Red Lake**

Construction work on the 3-bay Patrol Storage Garage, mentioned in the previous year's Report, was completed and the building turned over to the Department of Highways for their use on December 2, 1958.

#### **Shabaqua**

A new deep well was drilled to a depth of 146 feet and a suitable supply of water was obtained for the 5-bay Patrol Garage.



View, looking west, showing Department of Highways and Department of Public Works Buildings at McFarlane Lake  
SUDBURY

#### Sudbury (McFarlane Lake)

Erection of the standard plan 14-bay Divisional Garage, mentioned in the previous year's Report, was completed at the end of the fiscal year.

Work continued on the standard plan Heated Storage Building mentioned in the previous year's Report, and the building, including interior painting, was completed and temporary power connected.

All work, including painting, was completed on the 9-bay Unheated Storage Building project, and main electrical power feeders were installed ready for connection to the new sub-station.

Corner Stone Laying Ceremonies were conducted at the 9-bay Office Building, McFarlane Lake, Sudbury, on Wednesday, August 6, 1958, with approximately 750 persons present at the ceremonies.

The new Office Building referred to above was completed in November and the Department of Highways personnel moved into the building.

#### Terrace Bay

A deep well was drilled and a water supply obtained for the Patrol Garage.



View of the new 14-Bay Divisional Garage for the Department of Highways (McFarlane Lake)  
SUDBURY



View of the 9-Bay Office Building, recently completed for the Department of Highways  
(McFarlane Lake)  
SUDBURY





View showing progress of construction of the new Administration Building  
DOWNSVIEW



Exterior View, taken from the west, of the new Addition to the Central Stores Building,  
Department of Highways  
DOWNSVIEW



Exterior View, taken from the east, showing the Entrance of the Heated and Unheated Storage Building, and the new 12-Bay Garage Addition on the extreme west, Department of Highways  
DOWNSVIEW

## Downsview

### Administration Building

Construction work commenced early in the year for the erection of a new Administration Building for the Department of Highways on a site located just north of Highway 401, and to the east of the existing buildings of the Department of Highways.

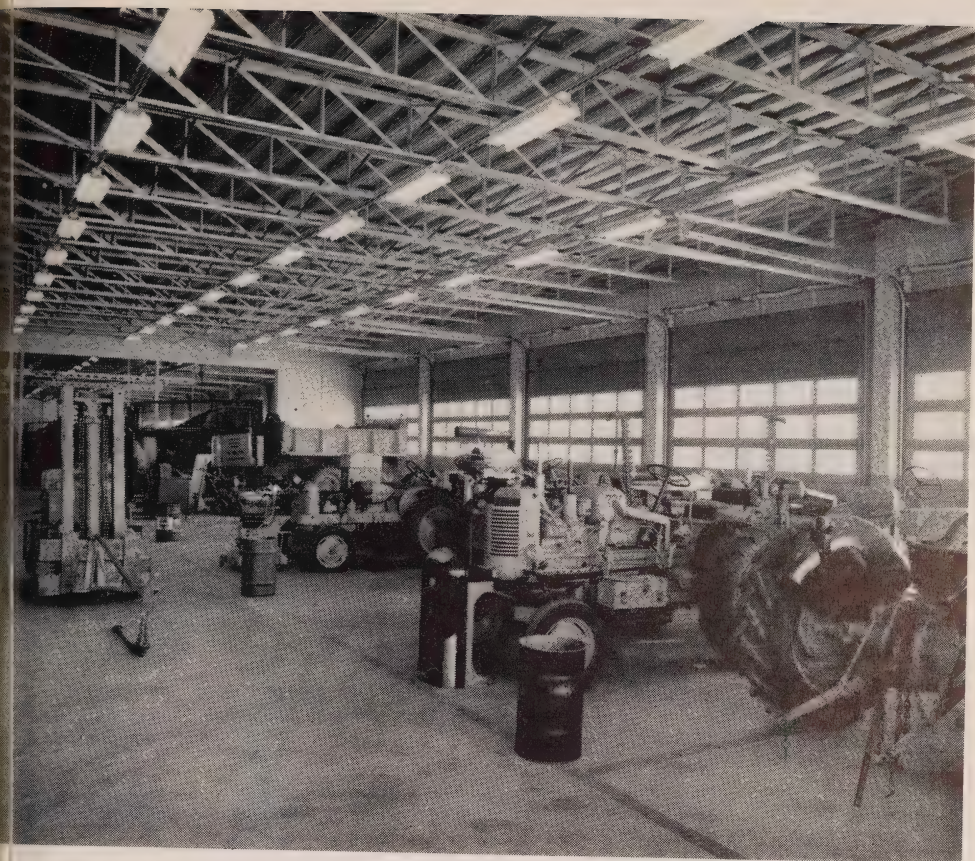
The building, approximately 562 feet long and 291 feet wide, will be constructed of structural steel frame supported on reinforced concrete foundations. The exterior will be faced in red brick with the exception of the main entrance, which is to be finished in Queenston limestone trim.

Due to the rapid fall of the ground from east to west, the westerly half of the building is of two storeys while the easterly half is one storey only, thus providing a uniformly level roof line. There will be a long, narrow penthouse on the roof to accommodate the mechanical equipment. Five entrances will provide easy access with the main entrance on the northerly side of the structure facing on Downsview Avenue. Provision has been made for a future bridge connecting up with the existing building, and there will be a truck dock located at the north-easterly corner of the first floor giving access to the freight elevator.

The main entrance doors, and window frames and sash, will be of aluminum. Flooring in the main entrance hall is to be of vinyl tile. Interior walls will be finished in haydite block, washrooms will have glazed tile walls and terrazzo floors, and ceilings in offices and draughting rooms will be of acoustical tile.

The lower floor will accommodate the truck dock, receiving entrance, stationery and printed forms department, postal department.





View of the Interior of the new 12-Bay Garage Addition for the Department of Highways  
DOWNSVIEW

microfilm files room, offices for the Department of Public Works, general offices, a board room, staff lounge, coffee room, washrooms, rest rooms, locker rooms, janitors' closets and the mechanical and electrical equipment rooms.

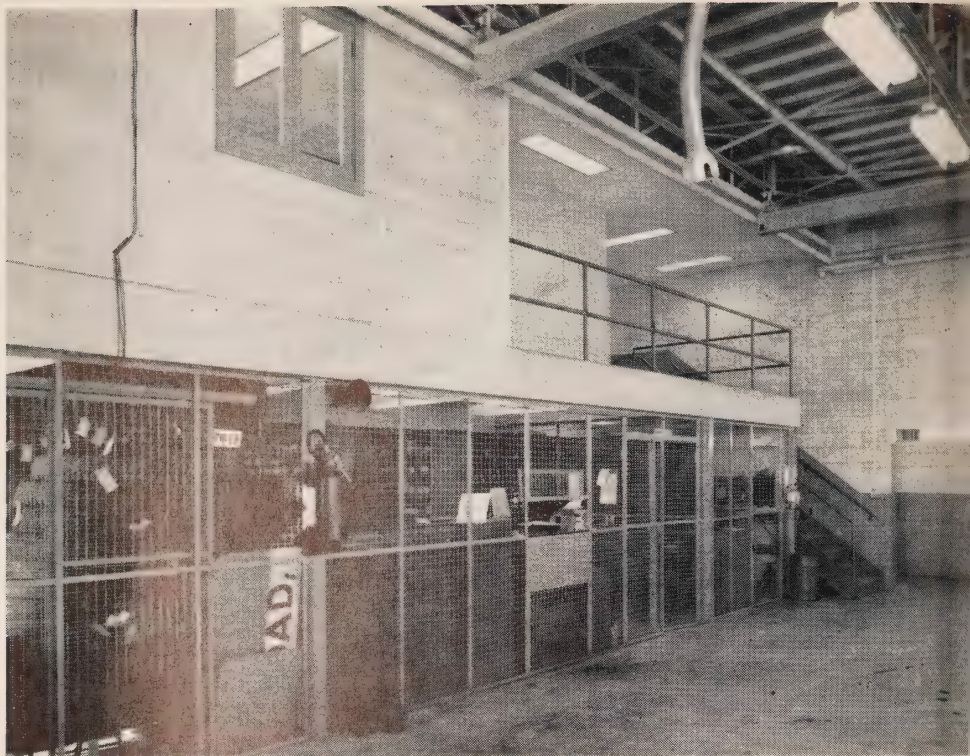
The second floor will accommodate the main entrance and information counter, the Canadian National Institute for the Blind counter, a medical suite, I.B.M. room, computing room, four areas for private offices along the front of the building, two large areas for general offices and draughting rooms, two boardrooms, space for central records, and coffee rooms, rest rooms and washrooms.

Excavation work commenced on June 9, 1958. At the end of March, 1959, good progress had been made on erection of exterior walls, floor construction and roof finish, and roughing in of the various mechanical grades.

#### Central Stores Building Addition

Construction work continued on the new addition to the Central Stores Building, described in the previous year's Report. At the conclusion of the period under review overall completion of the project was approxi-





Interior Sectional View of the Mezzanine Floor, Heated and Unheated Storage Building,  
Department of Highways  
DOWNSVIEW

mately 65% with roofing and sheet metal work over the reinforced concrete portion completed and the penthouse in this section erected and structurally complete. Work progresses on the first floor washrooms and mechanical roughing in and application of resilient flooring.

#### **No. 6 Division Garage Extension**

The addition of 12 bays to No. 6 Division Garage, mentioned in the previous year's Report, was completed in September, 1958, and occupied by the Department of Highways. Work is in progress on the installation of an additional staff washroom.

#### **Storage Building Addition**

Construction work on the addition to the Heated and Unheated Storage Building, described in the previous year's Report, continued and the project was completed and occupied by the Department of Highways. Installation of a security fence was undertaken and work is underway on the gas pump and oil storage installation.

#### **General**

Two six-room brick bungalows at Nos. 4 and 6 Laguna Crescent were renovated and men's and women's washrooms installed, for use of the Land Surveys division. Basements at both houses were sectioned off to provide suitable lock-ups and necessary storage space. Interiors of both residences were completely painted.

## For The

# DEPARTMENT OF LANDS AND FORESTS

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### Algonquin Park

Repairs were made to the foundation of Smoke Lake Hangar, and installation of new hangar doors was completed.

### Chatsworth — Trout Rearing Station

In August, 1958, construction work commenced to provide a new hatchery building, with workshops, on the site of the dismantled former hatchery building at Chatsworth.

The overall length of the new building will be approximately 136 feet by 35 feet. It will be one storey, of masonry and concrete construction, and will contain a boiler room, storage workshop, preparation room, pellet store, lunchroom, office, ice making room, ice room, compressor room, lockers, lavatories and a laboratory. There will be no basement.

The hatchery and trout rearing section will have an overall area of 226 feet by 26 feet.

At the end of the fiscal year erection of exterior brick and the bonded roof were completed, and the first two-inch layer of concrete sub-floor was poured throughout the building with installation of conduit underway. The steam boiler was hooked up with heat supplied and work progressed on roughing in of the mechanical trades.

### Cochrane — Regional Forester's Residence

Work was completed on the repair of eavestroughing, and conductor pipes were altered to run water away from the building. A concrete apron was poured in front of the garage to assist drainage.

### Codrington

A six-room frame bungalow for the manager of the Codrington Fish Hatchery was completed and occupied, and erection of a standard three-bedroom bungalow and garage for the Assistant Manager of the Codrington Bird Farm was completed.

### Dorset — Forest Ranger School

Installation of an automatic fire detection system is in progress.

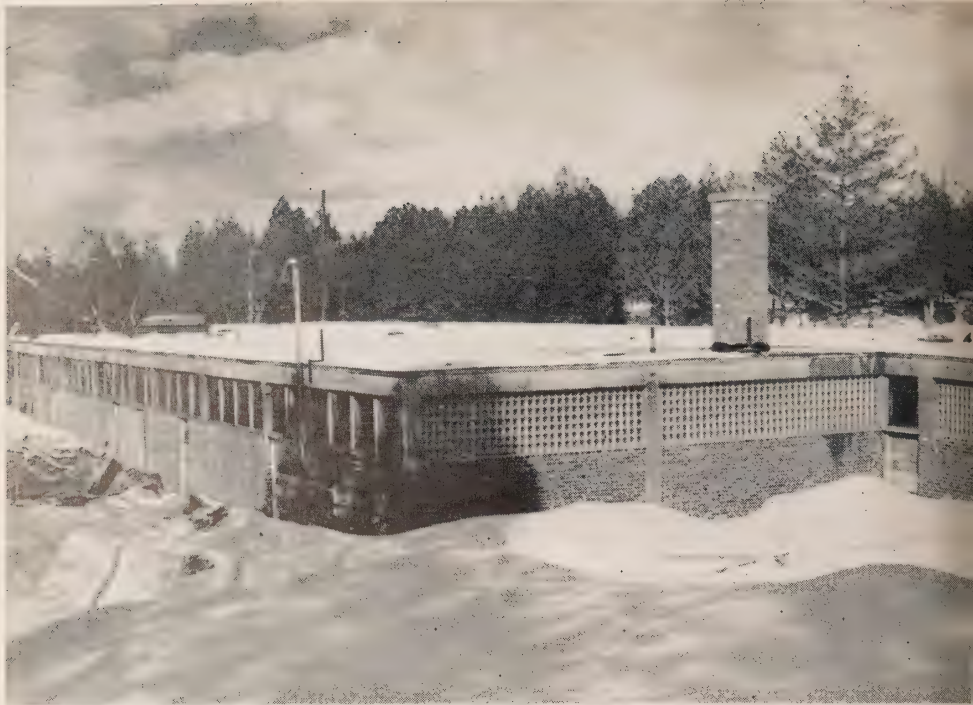
### Foleyet — Chief Ranger's Headquarters

The office was wired and a fire alarm system installed.

### Fort Frances — District Office Building

Official Opening Ceremonies were held on August 9, 1958, at the District Office Building, described in the previous year's Report, and



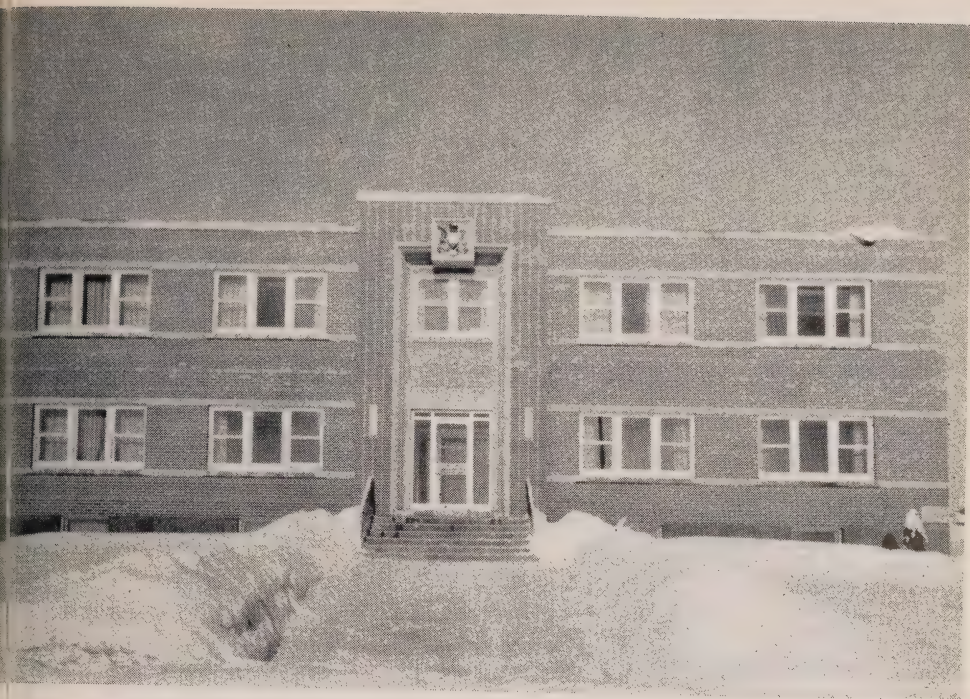


View showing progress of construction of the new Hatchery Building at the Trout Rearing Station  
CHATSWORTH



View of the new Six-Room Frame Bungalow, with Basement, constructed for  
the Manager of the Fish Hatchery  
CODRINGTON





e of the new District Office Building constructed for the Department of Lands and Forests  
FORT FRANCES

mentioned as completed and occupied in that Report. Officiating at this function were Mr. William G. Noden, M.P.P. for Rainy River, and the Hon. Frederick M. Cass, Minister of Highways, who deputized for the Hon. James N. Allan, Minister of Public Works, who was unable to attend.

#### **Fort Frances — Chief Ranger's Office and Warehouse Building**

Construction of a two-storey building, 40 feet by 90 feet, to serve the requirements of a Chief Ranger's Office and Warehouse, is in progress.

#### **French Lake**

The Ranger Station, office shop and 3-bay garage were wired and supplied by temporary power.

#### **Gogama — Chief Ranger's Station**

Installation of street lighting at the Chief Ranger's Station is nearing completion.

#### **Hearst — Warehouse and Office Building**

Electrical installations were completed for the Warehouse and Office.

## **Kapuskasing — Warehouse and Office Building**

Installation of electrical services was completed.

## **Kemptville — Hon. G. Howard Ferguson Nursery**

### **Office and Storage Building**

Construction of an office and storage building is in progress. The new building is of frame construction on concrete footings and concrete floor and is approximately 25 feet by 50 feet in dimensions.

As the fiscal year drew to a close the building had been enclosed, interior finish and heating and electrical work were completed and exterior walls prime painted.

## **Limerick Forest (Kemptville) — Storage Building**

Construction of a steel frame and metal clad Implement Shed, approximately 24 feet by 40 feet, with concrete footings and ground floor, was completed.

## **Maple — Southern Research Station**

### **Administration Offices and Radio Workshop Building**

Interior construction work continued on the Administration Offices and Workshop Building, described in the previous year's Report, and by December, 1958, the building was completed and occupied. Paving the station was completed by the end of the year.

### **Header House, Greenhouse, Laboratories and Offices**

Installation of finished vitrolite in four growth rooms was completed, installation of flush lighting is in progress and some changes were made in the air conditioning.

### **General**

Installation of finish vitrolite in the Forest Pathology Laboratory was completed and paving of the entire Station was undertaken.

## **Matheson — Divisional Office Building**

Electrical installations were completed at the Divisional Office Building.

## **Normandale Bird Farm and Fish Hatchery**

Two new pump houses at the water well site were substantially completed, and all installations completed, tested and serviced. The old pumping unit was hooked up as sand had seeped into the new well. A meter was installed, pump motors connected, and grounding completed to distribute the cost of hydro power.

## **Nym Lake — Chief Ranger's Headquarters**

A 10 KW Diesel Generator set was transferred from Eva Lake Ranger Station to Nym Lake in order to provide electrical power for the Headquarters and residences. Overhauling and installation of wiring into the existing buildings was completed.





The new Administration Offices and Radio Workshop Building, Southern Research Station  
MAPLE



Interior View showing a section of the Radio Workshop at the Southern Research Station  
MAPLE



## **Pembroke — Chief Ranger's Headquarters**

Preliminary work has commenced on the construction of a new Chief Ranger's Headquarters Building on Lot 19, Concession 1. Outside services and the tile bed proper were completed, topsoil removed and installation of water mains completed.

The new building, located at the edge of the Ottawa River, will be 141 feet 7 inches by 157 feet 7 inches in dimensions, of one storey at one section and two storeys in the other section, of masonry wall construction and fire-resistant throughout. Building walls will be set on concrete piling. The flat roof deck will be supported on steel beams with 1½-inch rigid insulation and built-up roofing. Exterior walls will be 8-inch concrete block faced with four inches of brick.

The ground floor will consist of fire fighting equipment storage, carpenter shop, mechanical repair shop, truck repair shop, radio repair shop, general office space and a general purpose area.

The partial section floor will consist of a mezzanine floor and general office, and storage space covering half the area of the building. The remainder of the building area is two storeys high. Heating will be supplied from a hot water oil-fired boiler.

The following work at this project was carried out: Topsoil was removed and the installation of the water main completed. Work on drains and fill is nearing completion.

## **Sault Ste. Marie — Air Services Division**

### **Addition to Hangar Building**

Substantial progress was made on the construction of a one-storey addition to the Hangar Building. Erection of the building commenced in June, 1958, and at the end of that year the built-up roof and all copper flashings and coping were completed with interior painting of walls and ceilings completed, work benches and shelving installed and interior fittings completed. Installation of the fire alarm system, and electrical work, are underway.

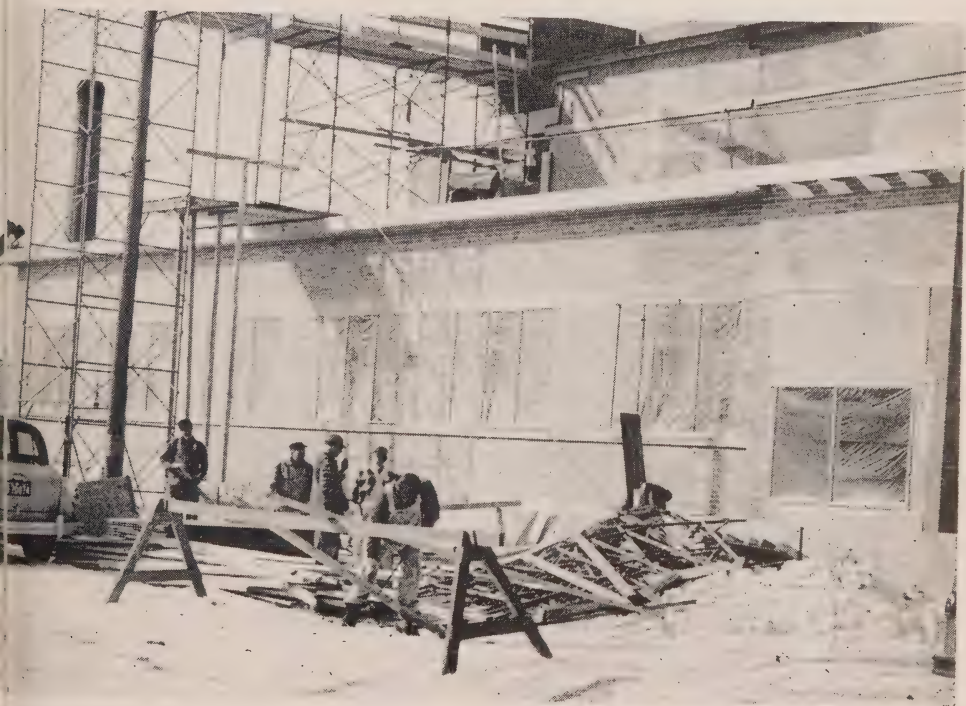
## **Sault Ste. Marie — Forest Insect Laboratory (Addition)**

Work commenced in September, 1958, on the construction of an addition to the existing Forest Insect Laboratory. The new addition will consist of a basement and one floor, approximately 82 feet by 52 feet, of concrete construction with terrazzo floor and masonry walls. The heating and ventilation system will include partial air conditioning for the laboratory areas proper. The parking and landscape area includes space for 29 cars.

Satisfactory progress was maintained. Exterior walls were raised to main roof, penthouse walls were erected, and mechanical roughing in of the basement is nearing completion with alterations to the basement of the existing building underway. At the end of this fiscal year work was in progress on construction of the incinerator and basement partitions, mechanical roughing in on the main floor, setting up of equipment in the existing basement and demolition of openings in existing walls.



View of the Seaplane Hangar, showing the new One-Storey Addition, Air Services Division  
SAULT STE. MARIE



View showing progress of construction of the Addition to the Forest Insect Laboratory  
SAULT STE. MARIE

### **South Bay Mouth — Fisheries Research Station**

Work on the new water supply system for the station, described in the previous year's Report, is nearing completion. Interior painting and installation of the pumphouse were also completed.

### **Sturgeon Falls — Warehouse and Office Building**

Soil testing of the site was completed.

### **Swastika — Chief Ranger's Headquarters**

A new well was drilled to a depth of 181 feet, and 7-inch casing installed. Tenders were called for drilling a  $1\frac{7}{8}$  diamond drill hole an additional 350 feet to improve the water supply.

### **Swastika — District Office Building**

Electrical installations were completed.

### **White River — District Headquarters**

Work on the wiring of the residences was completed.

Work is in progress on the changeover from Diesel to Hydro Electric Power.



## For The DEPARTMENT OF MINES

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### **Cobalt — Temiskaming Testing Laboratory**

Electrical renovations and installation of the exhaust fan on the blast furnace were completed. Repairs to the roof were carried out and installation of a dust collector completed.

### **Elk Lake**

Four fluorescent lights were installed in the Mining Recorder's office.

### **Elliot Lake**

Work which commenced in September, 1957, on the erection of two prefabricated cottages at Nos. 360 and 579 McFarlane Road, for the use of the Department of Mines inspectors in that area, was completed in June, 1958.

Partitions were installed in the office occupied by the Mines Inspection Branch in the Lake Theatre Building, and shelving was erected in the stockroom.

### **Kirkland Lake — Mining Recorder's Office Building**

The new Mining Recorder's Office Building, described in the previous year's Report and reported substantially completed and occupied, was officially opened on April 18, 1958, by the Hon. J. Wilfrid Spooner, Ontario Minister of Mines. Representatives of various Provincial Government Departments officiated and approximately 800 persons were present at this function.

## For The DEPARTMENT OF REFORM INSTITUTIONS

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### **Bowmanville Training School for Boys**

Plumbing and maintenance repairs to the dormitories of the North, South and Centre Houses were substantially completed.

Insulation and ventilation work at the Gymnasium and Swimming Pool was completed with overall completion of the work in this area 95% completed. A domestic heating tank was installed in the Boys' Gymnasium. Plumbing and repairs and installation of white glazed tile at the Gymnasium shower room is nearing completion.

Repairs to sidewalks around the Dining Hall and Kitchen area were approximately 90% completed, and overall alterations and repairs approximately 95% completed.

Three walk-in refrigerators, and new kitchen equipment, were installed. New terrazzo and tile floors were laid, alcoves constructed, and new electric wiring and electric fixtures installed in the kitchen. Interior painting was completed and new eavestroughs were installed around the building.

### **Ontario Reformatory, Brampton**

A ten-foot addition to the top of the chimney at the Power House was completed.

### **Training Centre for Reformable Women, Brampton**

Construction work on the new Training Centre for Reformable Women, described in the previous year's Report, progressed during the year and the project was substantially completed on December 19th, 1958, with exterior work on sewers, water mains and drainage work nearing completion.

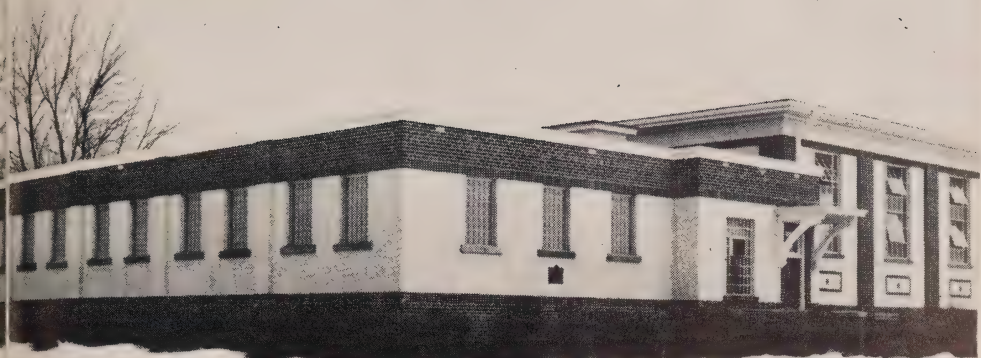
### **Rideau Industrial Farm, Burritt's Rapids**

#### **Paint and Woodworking Shop**

A paint and woodworking shop, 24 feet by 40 feet, of concrete construction, was commenced in October, 1958, and by the end of the fiscal year erection of masonry block walls, installation of the roof, and work on heating and lighting, was completed with work in progress on installation of doors, partitions and plumbing fixtures.

#### **Security Building Addition**

Construction work continued on the new security Wing Addition to the Main Building, described in the previous year's Report. By October, 1958, the structure was completed and installation of prison locks was underway.



View of the newly constructed Gymnasium Building, Training School for Boys  
BOWMANVILLE



View of the new Training Centre for Reformable Women  
BRAMPTON





View of the new Security Wing Addition to the Main Building, Rideau Industrial Farm  
BURRITT'S RAPIDS

### General

Installation of lightning rods to all buildings was completed and inspected by the Fire Marshal's staff.

Construction, by inmate labour, of the 90 feet by 40 feet heifer pole barn was substantially completed.

An addition was constructed on the kitchen to be utilized for a garbage can sterilizer.

Installation of a new deep well pump, and construction of a new pumphouse, was completed.

The existing Sewage Disposal Plant being inadequate, construction of a new disposal plant was undertaken, with work on this project brought to conclusion in March, 1959.

### Industrial Farm, Burtch

#### Power House

Erection of a new Power House, approximately 89 feet 6 inches by 59 feet, commenced in November, 1958. The new Power House will be a one-storey building with basement walls of concrete construction, concrete

REPORT OF THE DEPARTMENT OF PUBLIC WORKS  
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block interior and brick exterior, and will contain an engineer's office and workshop, washroom with showers, and generator room for electrical services. The roof will be a 20-year bonded roof supported on massolin joist and brick chimney with 15-foot base.

All footings and walls were poured, excepting the 25-foot coal bunker extension, where excavation was completed and footings poured. Erection of brickwork is underway.

#### Root House

Work commenced in April, 1958, on the reconstruction of a root house that was in a state of collapse. The project was approximately 95% completed in November with installation of cast iron coil pipe for drainage, and backfilling, in progress.

#### New Staff Residence

The new 14-bedroom staff residence, reported substantially completed in the previous year's Report, was fully completed in July, 1958.

#### General

Work on the grease trap for handling laundry waste was completed.

Renewal of piping throughout all basements was completed.

Renewal of water piping in "D" Wing was completed.

Work progressed on alterations to and extension of the Fire Alarm System to all buildings. Completed were the tailor shop, laundry, stores and warehouse, engineers' room and workshop, inmates' clothing stores, pumphouse, "D" Wing Dormitory, and cement block and tile and carpenters' shops. Overall completion of this project is approximately 50%.

Dismantling of the old wooden reservoir is in progress and approximately 50% completed.

A new 15 h.p. pump and a new 550 volt system were installed to compensate for extra equipment. New lighting service to take care of extra lighting and heating was installed. Overall completion of this work is approximately 90%.

Renewal of copper piping to the cell blocks in the old Administration Building was approximately 50% completed.

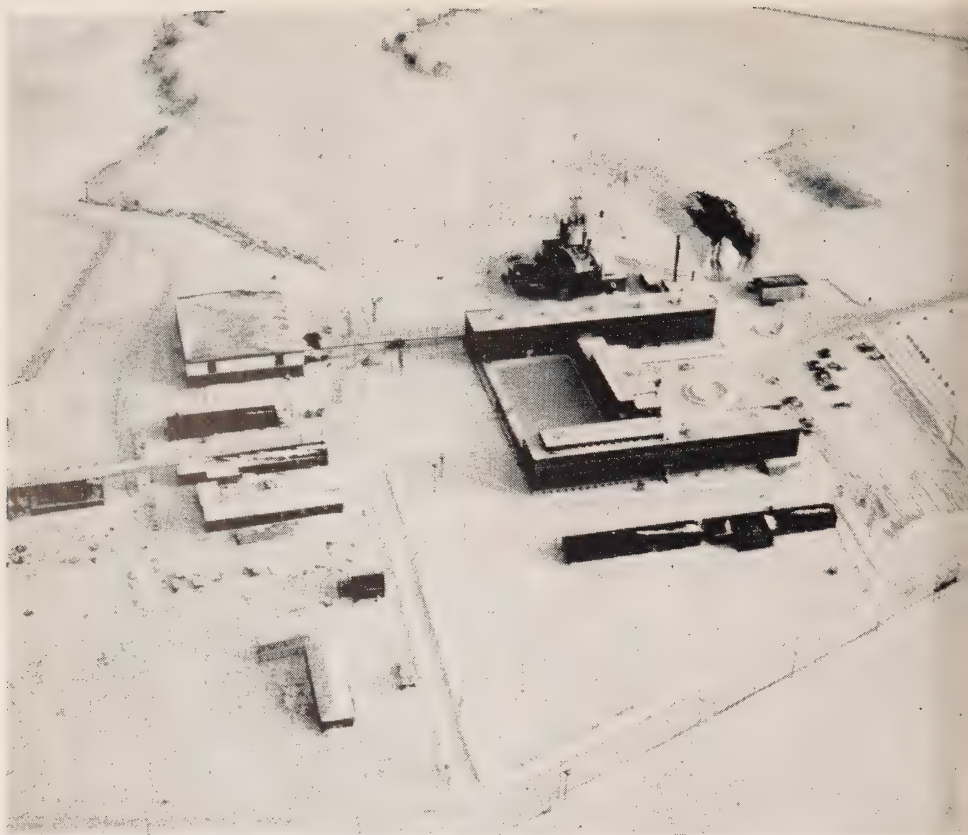
#### Industrial Farm, Burwash

##### Camp No. 2 (Main) and Burwash Village

Construction of the new central heating plant, mentioned in the previous year's Report, is substantially complete. Construction of the pumphouse, and installation of a pump for emergency water supply, was completed.

All cottages were wired, services completed, and hydro inspected.

Copper conductors were installed on the power line leading from Camp No. 2 to Camp No. 5.



Aerial View of Camp No. 2, Industrial Farm  
BURWASH

The transformer capacity at Camp No. 2 was increased and a new 3-phase primary line run from Camp No. 2 to Camp No. 5.

Installation of the tank for domestic and hot water service at the Main Camp was completed.

Street lighting was completed and is operating on electric eye control.

#### Camp No. 5

##### Dormitory and Cells Group

Corner Stone Laying Ceremonies were conducted at the new Dormitory and Cells Group, Camp No. 5, on Thursday, October 23rd, 1958, with Mr. Rheel Belisle, M.P.P. for Nickel Belt, the Hon. T. Ray Connell, Minister of Reform Institutions, and Mr. Gerald Monaghan, M.P.P. for Sudbury, representing the Hon. James N. Allan, Minister of Public Works, officiating.



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**Administration Wing and Detention Corridor**

Construction work for the Administration Building and Detention Corridor connecting with the Central Dining Room and Auditorium Wing, progressed. Before the end of 1958 the exterior was closed in and work commenced on interior finishing. Near the end of the fiscal year brick was laid in the basement area and back-up brick for the stone front of the Administration area. Set stone was erected to the top of the first floor windows at the front area, and partition, insulation and furring work was in progress with the storm sewer installation from the Administration Building area run to the kitchen-dining area and roughing in of heating underway.

**Cell Block**

Work progressed at the end of the fiscal year on placing of reinforcing consisting of floor slab on the second floor of the West Cell Block; also on roof slab of the isolation cells and part of the West Cell Block. Door frames were set on the second floors of the cell block west of the corridor. Plumbing and electrical roughing in was also carried forward.

**Dining and Auditorium Wing**

Construction work on this section of the project advanced during the period with concrete and exterior brickwork completed, and the building closed in. Erection of interior partitions is nearing completion, exterior wall insulation and furring tile was completed and good progress made on the work of the mechanical trades.

**Power House**

Masonry and concrete work were substantially advanced and work on the boiler installation, including stacks, and the work of the mechanical trades, were approximately 95% completed. Overall completion of this project is approximately 90%.

**General**

The 500V electrical service for the new waterworks system was connected to the building ready for installation of the motors and controls.

**Boys' Training School, Cobourg**

Fire prevention work at the Richards property was completed during the fiscal year.

**Industrial Farm, Fort William**

Renovation of the main kitchen progresses.

The layout of existing electrical outlets and services in the Main Building is being secured.

Rewiring of the barn, partially destroyed by a windstorm, was completed.

**Girls' Training School, Galt**

**6-Bay Garage and Storage Building**

In May, 1958, excavation was completed, and concrete footings and footing walls were poured, for the erection of a 6-bay garage and storage building on the site of the Girls' Training School, Galt. Overall construction of the project was approximately 90% completed at the end of the fiscal year.



View of construction progress of the new Dormitory Building, Camp No. 5, Industrial Furwash

### **General**

Installation and insulation of a 6-inch steam main and return from the Administration Building to the Infirmary was completed, and installation of a steam main in the trench and excavating trench leading to the Hood House is in progress.

The sidewalk from the Administration Building to the Infirmary was completed and is in use.

Rewiring, to conform to code requirements, was undertaken and completed at Drake House, Beatty House, the Arena, Administration and Infirmary Buildings.

Two new boilers were installed and the old boilers removed. A base for a third boiler was constructed.

## **Ontario Reformatory, Guelph**

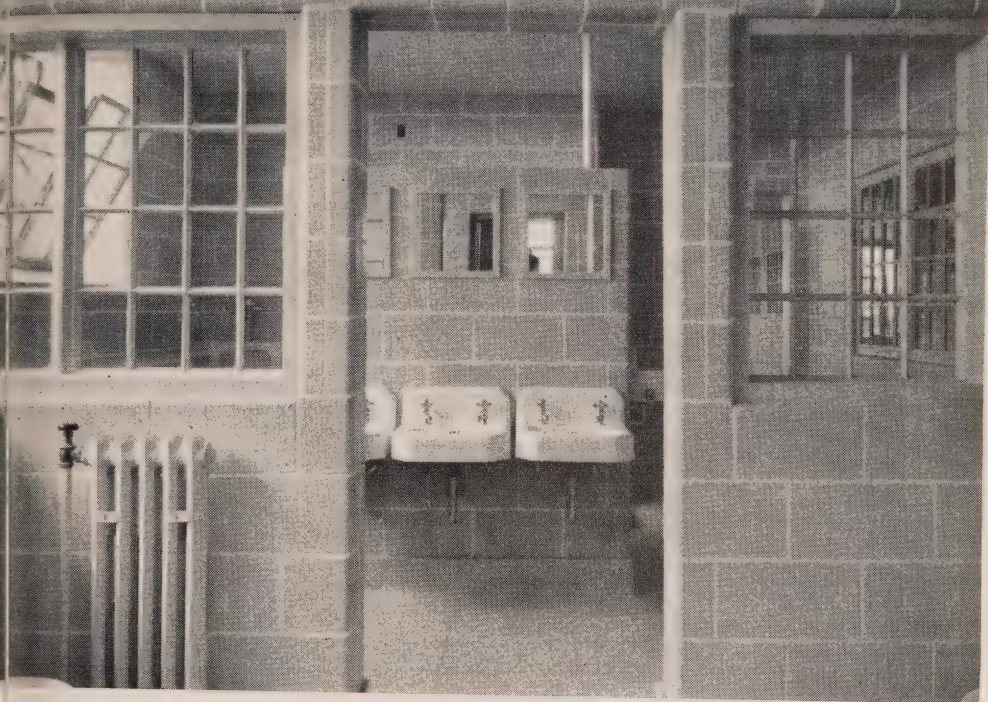
### **Abattoir**

Construction of the new abattoir building, by inmate labour, is approximately 65% completed. The new building is approximately 210 feet by 112 feet in dimension.

### **Cannery (Extension)**

Construction work is well advanced for the erection of an extension to the Cannery. The new addition is situated between the present warehouse and the washroom and is approximately 30 feet by 100 feet in dimension. Plastering of the ceiling and work on finished concrete floors and drain installations is in progress. Overall completion of this building is approximately 65%.





Interior Sectional View of one of the Washrooms recently completed at No. 2 Dormitory,  
Ontario Reformatory

MIMICO

#### **Kitchen and Staff Dining Room Area, Main Building**

The new cold rooms were placed in operation. The old walk-in refrigerators were removed and work progressed at the storage area in preparation for plastering of the wall and repouring of the floors.

#### **General**

As of December 15, 1958, the new Sewage Disposal Plant was completed.

Installation of the heating trench to the horse barn, dairy and piggery progressed to substantial completion. This work has consisted of approximately 1,200 lineal feet of concrete trench, 2 feet deep and 2 feet 6 inches wide, with all necessary piping and anchors. Installation of the heating trench to the abattoir is in continuance and approximately 50% completed. This project consists of approximately 700 lineal feet of concrete trench approximately 2 feet deep and 2 feet 6 inches wide.

#### **Training School for Incurrigible Boys, Guelph**

Installation of workshop machinery, including minor adjustments, was completed for the new reservoir and pumphouse.



## **Ontario Reformatory, Mimico**

Construction work on the fourth Dormitory Building, designated as No. 2 Dormitory, described in the previous year's Report, progressed to completion and the building was turned over to the Department of Reform Institutions for occupancy in November, 1958.

## **Industrial Farm, Monteith**

Repairs were made to the electrical system.

A new roof was installed.

Installation of the new stoker was completed.

Installation of new steam and return lines to replace the old deteriorated lines was completed.

## **Girls' Training School, Port Bolster**

Work of a minor nature was carried out at this newly acquired Training School for Girls which was mentioned in the previous year's Report. Methods to be employed relating to the procurement of a water supply are under study.

# **DISTRICT GAOLS**

## **Fort Frances**

A back water valve on the sanitary sewer system was installed, minor repairs were undertaken and exterior painting completed.

## **Haileybury**

The entrance doors were repaired and inspection and repairs to the plumbing and heating systems were completed.

Minor repairs and adjustments were made to locks and doors leading to the male exercise yard and in No. 5 corridor.

Repairs were made to the clothes dryer.

## **Kenora**

Construction work is underway on an extension to the District Gaol and repairs to the existing building. The concrete foundation was completed for the new rear wing extension to the existing building, and wooden forms were in place for the pouring of the first floor slab at the end of this fiscal year.

Boiler room renovations are in progress.

Except for minor items the interior renovation of the Governor's residence was completed. Work on the exterior of the residence, roofing and brick veneer work progressed.

Window guards were installed. Installation of new radiator valves, placing of a manhole and covering of the domestic hot water tank were completed.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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A new steam supply to the dryer in the laundry was completed, and an automatic water feed was provided on the heating system.

Construction of a new concrete septic tank, and a disposal field, for the Governor's residence, was completed.

### North Bay

The old H.R.T. boilers were removed and new boilers installed and painted. Surfacing of the driveway and parking area was completed.

Conversion of the apartment block into a women's cell block is in progress and approximately 45% completed.

New plumbing installations and plaster repairs were completed.

A twelve station annunciator was installed, and one extra buzzer in the basement was connected.

### Port Arthur

Work on the installation of two new heating boilers and stokers progressed to completion.

An entire new 5-ply pitch and gravel roof was placed on the building and all roof flashing was replaced.

All work on the renovation of the Governor's kitchen, installation of steel lockers and the placing of four window security screens, was completed.

Installation of the new ash hoist is underway.

### Sudbury

#### Tunnel to Court House No. 2

Construction work commenced in September, 1958, on a tunnel connecting the District Gaol and Court House Extension No. 2, this being a continuation of the tunnel section built for Extension No. 2, and running under the unexcavated section of the Women's Wing and connecting to the existing corridor in the basement of the main section of the Gaol. The tunnel will be 5 feet 6 inches wide, 7 feet 4 inches high and 64 feet in length, constructed with 12-inch thick reinforced concrete walls to ceiling height and 12-inch concrete block extending to the underside of the existing floor slab.

All structural work was completed in January, 1959, and preparations were made for plastering. Permanent connections to the steam main, and electrical work, were completed.

## **For The PROVINCE OF ONTARIO SAVINGS OFFICES**

This Department co-operated with the Head Office Management of the Ontario Savings Offices by preparing sketches, working drawings and specifications for proposed new or alteration work; and the arranging for, or execution of this work as required at the existing Branch Offices.

The work of arranging and preparing new leases and the renewal of expiring leases, together with agreements, was carried out as directed.

The main work items undertaken in the above connections were as follows:

### **Aylmer**

The ceiling of the vault was replastered and the walls were repainted. Half-inch steel was installed on the floor of the vault. A fire alarm system was installed.

### **Hamilton (Pigott Building)**

Banking fixtures were extended and altered. A screen was removed to the Manager's Office, extending the counter and public space, and re-forming the Manager's Office and adjoining staff room. Rearrangement of the tellers' cages was completed.

### **London**

Plastering was renewed in the banking room and the installation of ventilating fans was completed.

### **Owen Sound**

A new office desk and chairs were supplied.

### **St. Catharines**

A nest of 60 safety deposit boxes was installed.

### **St. Marys**

A nest of 24 safety deposit boxes was installed.

### **Seaforth**

Gold leaf lettering was renewed on the windows and doors.

### **Toronto (Main Parliament Buildings)**

A safe was repaired, removed from the basement, and installed in Room 118.

### **Toronto (Bay and Adelaide Branch)**

The banking room was repainted.

A faulty electrical system was rectified.

### **Toronto (Danforth and Fenwick Branch)**

Repairs and necessary renewals were made to the drainage system.





Interior View following Renovation and Office Extension at the Pigott Building Branch  
HAMILTON

#### **Toronto (Danforth and Woodbine Branch)**

Repairs to and renewal of the tile flooring in the public area were completed.

#### **Toronto (University and Dundas Street Branch)**

The fixtures were cleaned and the electric sign was repaired.

#### **Toronto (1556 Yonge Street Branch)**

The ventilating system was installed.

#### **Woodstock**

The damaged ceiling tiling was renewed.

New ballasts were installed on all the lighting fixtures and lamps, and the broken-down sockets were replaced.

The fluorescent lighting was adjusted.

## For The DEPARTMENT OF TRANSPORT

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Preparation of the site commenced in September, 1958, for the erection of a new Drivers' Examination Building at Downsview for the Department of Transport. The location is immediately west of Keele Street just south of Highway No. 401.

The new building will be an "L" shaped brick structure with concrete foundation and will consist of one storey with penthouse. Approximate dimensions are 169 feet by 161 feet. The site comprises approximately ten acres with access by a service road from the corner of Falstaff Avenue and Keele Street.

The whole of the westerly half of the site will be paved and is to be used as a test area by applicants for driving licenses, while the easterly half of the site will provide the building location and parking for both staff and public. It will mainly contain two large garages for the testing of the mechanical condition of motor vehicles.

The Drivers' Examination Section consists of a waiting room with dispatcher's counter and inspectors' room at the westerly side and an inquiry counter with adjacent examiners' offices at the easterly side together with a large room for written examinations. The waiting room is equipped with a screen for moving picture projection and has adjacent public wash-rooms. Staff lunch and locker rooms, together with the mechanical room, are also located in this section.

The Vehicle Examination Section consists of two lanes for the testing of vehicles, each lane having equipment for the testing of brakes, lights, wheel alignment, etc.

At the end of the period under review exterior masonry work and erection of steel were well advanced, pouring of concrete mezzanine slab over the boiler room was completed and forming stripped. Preparatory work for pouring of the boiler room floor and roughing in of the mechanical services was in progress.

### **Hamilton (Shopping Centre)**

#### **Drivers' Examination Quarters**

Erection of partitions and alterations to provide accommodation for the sale of automobile licenses was completed in the new License Office for the Department of Transport in leased premises on Barton Street in the Kenilworth Shopping Centre.

### **Oshawa (Shopping Centre)**

An Examination and License Plate Issuing Centre was located in the new Shopping Centre at Oshawa in leased premises. Partitions and interior fittings were installed to fill the requirements.



View showing construction progress of the new Drivers' Examination Building  
DOWNSVIEW

### **Port Arthur**

Installation of partitions, furniture, signs and equipment was completed at the Drivers' Examination Centre, Intercity Plaza, and the building turned over to the Department of Transport for occupancy on January 17, 1959.

### **Port Credit**

Referred to in the previous year's Report, the former Queen Elizabeth School Building, remodelled for the Department of Transport, was officially opened on April 10, 1958. Additional alterations were later completed to provide for the License Bureau.

### **Toronto — 165 Bloor Street East**

The personnel at 165 Bloor Street East was moved temporarily to office space at 737 Church Street to enable workmen to make changes in partitions to provide offices for three directors of the Department of Transport and added accommodation for personnel.

### **Toronto — 737 Church Street**

Approximately 13,000 square feet of floor space was assigned to the Department of Transport on the second floor of leased premises of the Austin Building at 737 Church Street. Many partitions were removed and the area re-partitioned for eight new offices with installation of electrical outlets and communications completed in June. Painting was completed and the premises occupied.

### **Toronto — 696 Spadina Avenue**

Work was completed early in the year in expanding the facilities at the Licensing and Drivers' Examination Centre. Four additional small offices for conducting examinations were provided, the floors were tiled and offices painted.



## For The

# DEPARTMENT OF TRAVEL AND PUBLICITY

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As in previous years, working drawings and specifications for new work or alterations were prepared, and their execution arranged for, by the Department of Public Works in co-operation with the Department of Travel and Publicity.

General maintenance work was carried out at the following Reception Centres:

### **Cornwall**

The interior of the building was painted and minor repairs were undertaken.

### **Fort Erie**

The exterior of the Tourist Reception Centre was painted and the lawn and grounds were cultivated.

### **Fort Frances**

The roof was repaired and the exterior of the building and surrounding fence were painted.

### **Hawkesbury**

The grounds were landscaped and repairs made to the front steps and showcase lighting. Two combination screen and storm doors were installed at the front and rear of the building, ceiling lights were repaired and the exterior of the Reception Centre was painted.

### **Ivy Lea (At Thousand Islands Bridge)**

The grounds were landscaped.

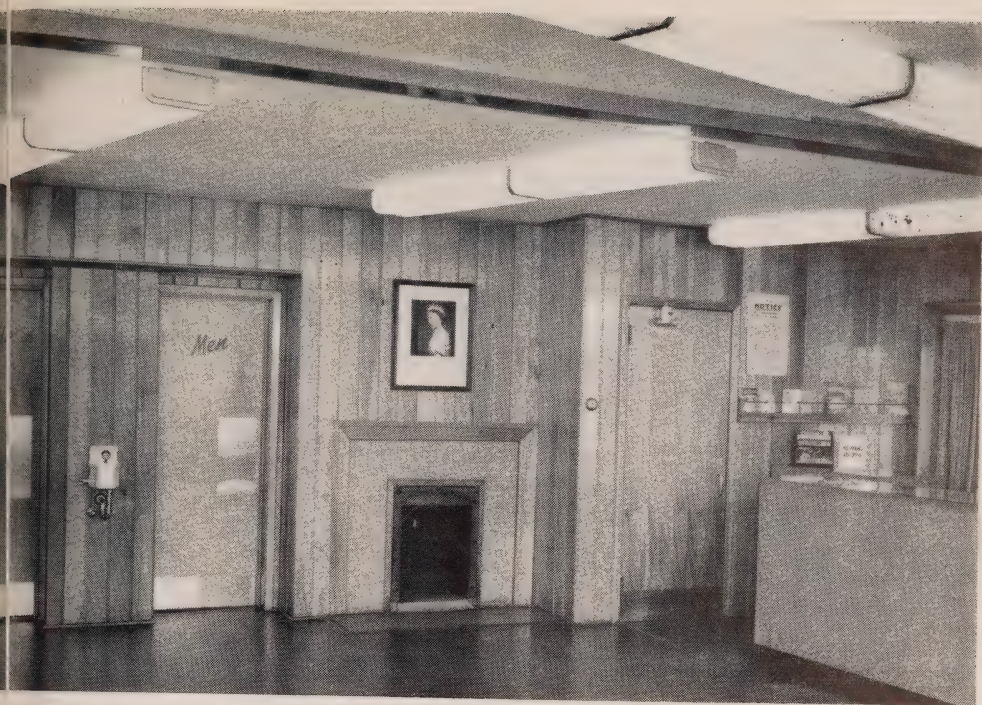
### **Kenora**

Construction of a storeroom addition to the Tourist Reception Centre was completed; new drapes with track were supplied for office and public space, and an extension of the water line into the lake, and repairs to the water pump, were completed. Concrete block edging was placed between the lawn and driveway to protect the landscaping and shrubs, and plants were supplied.

### **Niagara Falls**

Construction of a new storeroom addition to the existing building was completed, repairs were made to the roof and building, and the exterior painted.

Minor repairs to the doors and windows, leaking radiators and toilet tanks, and repairs to and replacement of the fluorescent lighting, were completed.



Interior View of the Tourist Reception Centre  
NIAGARA FALLS

### **Point Edward (Blue Water Bridge, Sarnia)**

The lawn and flower beds were fertilized, weeds sprayed, landscaping completed and a new folder rack supplied.

### **Prescott**

The interior and exterior of the Tourist Reception Centre were painted.

### **St. Catharines (Homer)**

Repairs were made to the old building and a storeroom addition constructed at the existing building. The septic tank was pumped out and cleaned; minor repairs were made to the building; the pumphouse was wired and relighted; a deep well fuel pump was repaired and the plastic sign was also repaired.

### **Windsor (At Bridge Exit)**

The Tourist Reception Centre was moved back on the lot midway to the next street. Government property extends a city block in depth. This move allows a drive-in asphalt parking space in front of the building with landscaped gardens surrounding the Bureau on all sides. An addition for storage and staff room was added on a permanent concrete block foundation.

### **Windsor (At Tunnel Exit)**

The grounds were landscaped and both the interior and exterior of the buildings were painted.

## For The ONTARIO WATER RESOURCES COMMISSION

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### **Laboratories and Research Building**

Substantial construction progress was accomplished at the end of this fiscal year on the new Laboratories and Research Building for the Ontario Water Resources Commission, described in the previous year's Report.

The general structural trades, plumbing, heating, electrical and elevator installations were nearing completion.

Installation of kitchen equipment including refrigeration was well advanced.

Wall panelling in the cafeteria was completed and is underway in the library, board-room, entrance lobby and in the foyer.

Most of the supporting grille was installed in the acoustic ceilings in preparation for the application of the acoustic tile.

Terrazzo and tile work, and lathing and plastering, were nearing completion.

Installation of lighting fixtures is in progress and painting is underway.

### **28-30 Grosvenor Street**

Renovation of the second floor to provide offices for the Contract and Personnel Records Division was completed.

On the third floor sectional partitions were erected to provide two new offices. Two new windows were cut-in, and an air-conditioning unit was installed.

### **34 Grosvenor Street**

Replastering and redecoration of the second and third floors was completed, and an air-conditioning unit was installed on the third floor.

### **Wellesley Street School (Leased)**

Wellesley Street School Building, located at the corner of Bay and Wellesley Streets, was leased for a period of one year by the Ontario Water Resources Commission to accommodate personnel from the burned out premises at 807 Richmond Street West. The Commission occupies the entire ground floor and two rooms on the second floor.

Work of a temporary nature, comprising installation of laboratory equipment, was completed and the premises were occupied in July.





View showing progress of construction of the new Laboratories and Research Building,  
Ontario Water Resources Commission  
TOWNSHIP OF ETOBICOKE

# REPORT OF THE CHIEF PROPERTY VALUATOR

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Parliament Buildings,  
Toronto, Ontario,  
March 31st, 1959.

Mr. J. D. Millar,  
Deputy Minister,  
Department of Public Works.

## Re: REPORT OF THE PROPERTY BRANCH, 1958-59

The work performed by this Branch has continued in dealing with property matters of a diversified nature as required for the accommodation of the various Departments throughout the Province of Ontario. This work includes negotiations for the acquisition and leasing of property, and the preparation of appraisals and reports as necessary.

Recently steps have been taken to reorganize the Branch in order to best perform the duties assigned. Supervisors have been appointed to be responsible for all property matters in their respective areas.

Totals indicating the number of transactions that have been approved for the year 1958-59 and the three previous years are as follows:

1958-59		
152 Purchases, Valuations, Sales	\$1,896,070.02	
58 Leases	595,212.41	
Total	—	\$2,491,282.43
1957-58		
182 Purchases, Valuations, Sales	\$2,888,134.02	
70 Leases	1,325,958.60	
Total	—	\$4,214,092.62
1956-57		
165 Purchases, Valuations, Sales	\$5,237,916.15	
64 Leases	1,114,745.50	
Total	—	\$6,352,661.65
1955-56		
103 Purchases, Valuations, Sales	\$1,282,620.70	
58 Leases	461,950.50	
Total	—	\$1,744,571.20

Respectfully submitted,



Chief Property Valuator.

# For The ONTARIO GOVERNMENT EXHIBITS

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Canadian National Exhibition, Toronto  
August 20th - September 6th, 1958

## ONTARIO GOVERNMENT BUILDING, EXHIBITION GROUNDS, TORONTO

To run concurrently with the Canadian National Exhibition, the Ontario Government prepared an exhibition to be presented to the public for the purpose of exemplifying some of the features and functions of the various Departments of the Government.

The Department of Public Works was authorized to organize and to act as liaison in the preparation of this Exhibition and to prepare the Ontario Government Building in Exhibition Park to provide suitable settings for displays to be produced and shown by various Departments, including the Departments of:

Agriculture	Lands and Forests
Attorney General	Mines
Education	Planning and Development
Health	Public Welfare
Highways	Travel and Publicity
Labour	Transport

and the following Government sponsored organizations:

The Hydro Electric Power Commission of Ontario

The Ontario Branch, Canadian Cancer Society

The Ontario Division, Canadian Red Cross Society

The Ontario Water Resources Commission

This preparation included the maintenance of all mechanical and electrical services throughout the building, all additional mechanical and electrical installations required to serve new displays, all special and general lighting, carpentry, painting, sign work, construction of new exhibits, changes to and maintenance of existing exhibits and the interior decoration of the building with flowers and evergreens.

Also included was the preparation and equipping of a three-hundred-seat Movie Theatre to be operated by the Department of the Treasury in which six programmes were presented daily and which featured entertaining and educational films related to some of the functions of the exhibiting departments.

The whole, when completed, through the design, colour and lighting effects produced an harmonious setting for all exhibits presented by the various departments, and the expressed approval and comments offered by visitors indicated that the exhibition was well received, and enjoyed, by the attending public.



Central Canada Exhibition, Ottawa  
August 22nd - 28th, 1958

ONTARIO GOVERNMENT PARTICIPATION

As in previous years, the Board of Directors of the Central Canada Exhibition invited the Province of Ontario to participate in their Annual Exhibition and offered space in their Grandstand Building in which exhibits by various Departments of the Government could be shown.

The Department of Public Works was authorized to organize the Government Exhibit and co-ordinate the various Departments who wished to present exhibits depicting some of their functions and services to the people of the Province. This effort by the Department of Public Works was similar, but on a reduced scale, to that undertaken at the Canadian National Exhibition in Toronto.

It was indicated that the Ontario Government Exhibits at the Central Canada Exhibition, which included displays by the Departments of:

Agriculture  
Health  
Highways  
Lands and Forests  
Planning and Development  
Reform Institutions

were viewed and enjoyed by more visitors than in any previous year, and that the Ontario Government contribution appeared to be one of the outstanding features of the Central Canada Exhibition.

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BOILER INSPECTION

The Boiler Inspection work of this Department, as in previous years, was carried out under the supervision of officers of the Ontario Department of Public Works.

The boilers, boiler plant and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and material needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and Reformatories, the reports as referred to were sent to the Departments of Health and Reform Institutions respectively, for their attention in the matter of making minor repairs recommended. Major repairs for these Departments were attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,



Toronto, March 31, 1959.

Chief Architect.

*Statements*  
*of the*  
*Accountant*  
*of*  
*Public Works Department*  
*1958-1959*

Department of Public Works, Ontario.

TORONTO, March 31st, 1959.

The Honourable T. Ray Connell,  
Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

Sir:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditures on Provincial Government Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1959.

I have the honour to be, Sir,

Your obedient servant,

A handwritten signature in dark ink, appearing to read "A. A. Eason". The signature is fluid and cursive, with the first name "A" being particularly large and stylized.

Chief Accountant.



# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

## REPORT OF THE ACCOUNTANT

The following figures show an increase in the operations of the Department over the previous year:

### EXPENDITURES

<i>Fiscal Year</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
1958-59	\$10,793,940.04	\$49,771,679.74	\$60,565,619.78
1957-58	9,096,775.67	44,239,138.95	53,335,914.62
	\$ 1,697,164.37	\$ 5,532,540.79	\$ 7,229,705.16
Percent Increase	18.66%	12.51%	13.56%

### SUMMARY OF EXPENDITURES

FOR FISCAL YEAR APRIL 1st, 1958, TO MARCH 31st, 1959

<i>Service</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
Main Office—Administration expenses, etc.	\$ 1,405,459.27		\$ 1,405,459.27
Maintenance and Repairs — Government Buildings	7,144,353.22		7,144,353.22
Public Works — Dams, Docks, Locks, etc.	116,689.86	666,417.88	783,107.74
Public Works — Aid to Drainage	629,886.83	457.40	630,344.23
Public Buildings		39,924,311.16	39,924,311.16
Ontario Water Resources Commission	951,811.14	9,137,264.41	10,089,075.55
Miscellaneous	545,739.72	43,228.89	588,968.61
Total Net Expenditure	\$10,793,940.04	\$49,771,679.74	\$60,565,619.78

### STATEMENT OF REVENUE

Commissions on telegraphs and telephones	\$ 11,266.38		\$ 11,266.38
Sale of material	11,095.25	2,792.00	13,887.25
Rentals	235,180.46		235,180.46
Perquisites	3,884.83		3,884.83
Building Equipment	2,046.85		2,046.85
Miscellaneous	2,720.15		2,720.15
Sale of property		342,612.58	342,612.58
	\$ 266,193.92	\$ 345,404.58	\$ 611,598.50

A. A. EASSON,

Chief Accountant.

TORONTO,  
March 31st, 1959.

# STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE, REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS

FOR FISCAL YEAR ENDING MARCH 31st, 1959

## ORDINARY

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
<b>MAIN OFFICE</b>		
Minister's salary	3,763.47	
Salaries	955,560.39	
Travelling expenses	47,907.48	
Maintenance	105,812.49	
Insurance	48,229.88	
Local Improvement Taxes, etc.	17,510.99	
Unforeseen and unprovided	324.92	
Compensation — medical, etc., for injured workmen	128,679.99	
Unemployment Insurance Stamps	97,669.66	
	<hr/>	1,405,459.27

## ONTARIO GOVERNMENT BUILDINGS

Salaries — Maintenance Staff	2,432,949.20	
Maintenance, fuel, light, etc.	632,423.97	
Horticulture and Upkeep of grounds	14,484.16	
Communication services	422,649.59	
Typewriter servicing — Toronto Departmental Offices	39,142.47	
Furniture, furnishings and equipment	23,824.68	
Repairs, alterations and incidentals	2,648,076.96	
	<hr/>	6,213,551.03
Deduct Rentals	3,000.00	
	<hr/>	6,210,551.03

## LEASED PREMISES

Rentals and expenses	933,802.19
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# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

## MAINTENANCE OF LOCKS, BRIDGES, DAMS AND DOCKS, ETC.

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
Maintenance		116,689.86

## AID TO DRAINAGE

To provide for grants in aid of drainage work in accordance with The Provincial Aid to Drainage Act, 1954	599,996.86
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Salaries and expenses in connection with preparing drainage schemes and for construction, improvement or re-construction of trunk channels for farm drainage in Northern Ontario, including expenses in connection with drainage works which may qualify for grants under The Provincial Aid to Drainage Act, 1954	29,889.97	
		629,886.83

## MISCELLANEOUS

Preparing and installing exhibits for Government Departments, including costs of electric services and other expenses in connection therewith	41,913.75
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## ONTARIO WATER RESOURCES COMMISSION:

Salaries, services, expenses, etc., in connection with study and development of water resources and supply, disposal of sewage, etc.	951,811.14
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To provide for expenses arising from unforeseen circumstances or for which no provision has been made, as may be directed by the Lieutenant-Governor in Council	56,712.99
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To provide for grants towards the cost of construction of new Gaol accommodation as may be directed by the Lieutenant-Governor in Council	447,112.98	
		1,497,550.86

TOTAL ORDINARY EXPENDITURE		\$10,793,940.04
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## CAPITAL

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
<b>PUBLIC BUILDINGS</b>		
To provide for the construction of new buildings and works, purchase of lands and buildings, alterations, equipment and extension of services to existing buildings and works and the purchase of construction plant and equipment and materials for stores and expenses in connection therewith		39,924,311.16
<b>DAMS, DOCKS AND DRAINAGE WORKS</b>		
Municipal Drainage, including grants in aid thereof	457.40	
Storage Dams and Docks	666,417.88	
		666,875.28
<b>MISCELLANEOUS</b>		
Aid — Remedial Works, etc. — Grants to provide for purchase of lands, construction of remedial works, to alleviate flooding conditions, erosion of farm lands and other damages and expenses in connection therewith as may be directed by the Lieutenant-Governor in Council	43,228.89	
<b>ONTARIO WATER RESOURCES COMMISSION:</b>		
To provide for the construction and installation of plant and equipment and expenses in connection therewith	9,137,264.41	
		9,180,493.30
<b>TOTAL CAPITAL EXPENDITURE</b>		<b>\$49,771,679.74</b>

## SUMMARY

### ORDINARY EXPENDITURE

Main Office, Maintenance and Repairs of  
Government Buildings and Ontario  
Water Resources Commission

\$10,793,940.04

### CAPITAL EXPENDITURE

Public Buildings, Public Works and  
Ontario Water Resources Commission

49,771,679.74

\$60,565,619.78

TORONTO,  
March 31st, 1959.

A. A. EASSON,  
Chief Accountant.

# REPORT OF THE CHIEF HYDRAULIC ENGINEER

Parliament Buildings,  
Toronto, Ontario,  
March 31, 1959.

Mr. J. D. Millar,  
Deputy Minister,  
Department of Public Works.

## RE: CHIEF HYDRAULIC ENGINEER'S REPORT, 1958-59 DAMS, DOCKS, LOCKS, DRAINAGE, ETC.

The work performed under the supervision of the Chief Hydraulic Engineer during the fiscal year 1958-59 was as follows:

### SUMMARY

The investigation, pre-engineering, design, construction, inspection and approval of the work on dams, docks, locks, etc., was done under the direction of the Hydraulic Engineer, Structures. All work was performed by day labour wherever possible, except as may be noted.

The regular maintenance of dams, docks, locks and navigable channels was carried out and repairs were made where necessary. Removal of driftwood and obstructions from the dam sites was continued. Navigation routes and dangerous rocks and shoals were marked with buoys in the Muskoka and Magnetawan areas.

One concrete dam previously commenced was continued. Four concrete dams, one rock filled dam and one shore protection wall were commenced this year and completed. Major repairs were effected to seven concrete and one timber dam. These projects are all detailed herein.

Pre-engineering and design work was carried out for projects scheduled for construction during the next fiscal year.

The processing of applications from Municipalities for grants toward the cost of drainage works under the provisions of The Provincial Aid to Drainage Act, and the inspection and approval of the works, were carried out under the direct supervision of the Hydraulic Engineer, Drainage.

Financial Aid under the provisions of The Provincial Aid to Drainage Act, 1954, amounted to a total of \$610,609.30 on 558 drainage schemes throughout the Province, of which \$599,996.86 was paid toward 554 schemes in organized Townships and \$10,612.44 towards 4 schemes in unorganized Townships. Grants under "Aid—Remedial Works" amounted to \$43,228.89. Grants totalling \$457.40 were paid in aid of Municipal Drainage projects. Details are set out below under their respective headings.

During the fiscal year, a programme of roads, etc., entailing an expenditure of nearly \$500,000.00 was completed for Government establishments, under the direction of a Professional Engineer and an adequate staff. Details of this work are shown at the end of this Report.



## DAMS, DOCKS, LOCKS, ETC.

### Bala (South) Dam, Bala, Muskoka District

Reconstruction of the dam across the southerly outlet of Lake Muskoka was commenced in February, 1958. Excavation for deepening of the river channel upstream from the existing dam was carried out last fiscal year. Provision was made for the possibility of opening the coffer-dam and flooding the construction site during the freshet period, if this should be necessary for passing the freshet flow. However, the freshet run-off during the Spring of 1958 was below normal and the maximum flow was successfully passed through the North Dam. The construction work on the new South Dam was carried out with no interruption and completed in September, 1958.

The concrete foundation of the dam was based on hard, seamless rock that was uncovered when excavating for deepening of the river channel. For a better bond between the rock and the concrete, a cut-off trench was excavated at least one foot into solid rock along the whole length of the structure. Ready mixed concrete supplied from a mixing plant located at Orillia was used in this work. Because of the length of the transportation route, water was added to the dry mixture while the trucks were on the road, ten minutes before arrival at the construction site.

The new dam was constructed with reinforced concrete, and is located 50 feet upstream from the old dam. It is 240 feet long and has eight 14-foot sluiceways. The head of water from the sluiceway sill to the controlled level is 7 feet 7 inches and the top of the deck is 5 feet 2 inches above this level. The sluiceways are fitted with steel chases and timber stop logs. The deck is 156 feet long, 12 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of the stop logs in the eight sluiceways. A steel pipe hand rail was installed around the deck for safety of operation. A timber protection boom was installed upstream of the dam.

The much greater discharge capacity of the new dam made improvements to the existing bridge downstream of the dam on Highway No. 69 necessary to facilitate the passage of the flow through the bridge openings. The concrete plug walls in the two northerly bridge openings were removed and the river bed was cleared and the outlet channel widened where necessary.

### Bayville Dam, McLean Township, Muskoka District

Concurrent with the preparation of the site for the reconstruction of the dam, temporary improvements were made to the existing dam to provide for a greater discharge during the ensuing freshet period. The old flume gate in the West wing wall which was blocked with concrete was opened and repaired to form an additional sluiceway, 16 feet wide, equipped with timber stop logs and a pair of gear winches. The inflow channel to the small sluice gate in the East wing wall was deepened by 2 feet. In addition, an opening 16 feet wide was cut in the East wing wall.

### Big Lake Dam, Sandfield Township, Manitoulin District

The Department of Lands and Forests requested the reconstruction of the dam at the outlet of Big Lake, for flood control and for conservation of fish and wildlife. Because of the porous nature of the



View showing removal of Coffor Dam Operations after completion of new structure  
BALA DAM, MUSKOKA DISTRICT

limestone which forms the sub-strata on this area, a temporary earth-filled plug dam was constructed across the outlet of the lake in order to ascertain if this would succeed in holding the water at the desired level. It appeared that the water levels maintained on the lake by the temporary dam, during the Summer season of 1958, were satisfactory. Construction of a permanent dam is scheduled to be carried out next fiscal year.

#### **Booth Lake Dam, Preston Township, Nipissing District**

The work on improvements to the access road, erection of the camp buildings, and preparation of the site for construction of this dam was carried out during the Winter months of the last fiscal year. This year, the construction work was proceeded with and the project was completed in December, 1958.

The new dam was constructed with reinforced concrete. It was located a quarter of a mile upstream from the old dam. Solid rock was found where the sluiceway portion and the southerly wing wall of the dam were to be based. The northerly wing wall was located on a very hard glacial deposit of clay and gravel. The weathered surface of the rock was removed by blasting, and a trench 3 to 5 feet deep was excavated into which





View of the new Booth Lake Dam  
TOWNSHIP OF PRESTON, NIPISSING DISTRICT

the concrete foundation of the spillway portion of the dam was keyed. The foundation slab was made 92 feet long, 7 feet wide and up to 6 feet in thickness.

The total length of the new dam, including the wing walls, is 205 feet. The dam has four 14-foot sluiceways. The head of water from the sluiceway sill to the controlled level is 8 feet. At the South side, two sills are 1 foot higher and the head is 7 feet. The top of the deck is 4 feet above the controlled water level. The sluiceways are fitted with steel chases and timber stop logs. The deck of the dam is 84 feet long, 12 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operating the stop logs. A steel pipe hand rail was installed around the deck for safety of operation.

Impervious fill of clayish gravel was placed in front of the northerly wing wall to protect its foundation against underwashing. The slopes of both river banks were regraded. The river banks upstream and downstream of the dam were reinforced with rock rip-rap. A timber protection boom was installed in front of the dam. A water level gauge was installed on the North pier of the dam.

The old timber dam was demolished and the river channel between the new dam and the old dam was cleared of driftwood and debris to facilitate the flow from the new dam.





View of the new Bottle Creek Dam  
CAVENDISH TOWNSHIP, PETERBOROUGH COUNTY

### **Bottle Creek Dam, Cavendish Township, Peterborough County**

The Department of Lands and Forests requested the reconstruction of an old timber dam across Bottle Creek between Lake Catchacoma and Bottle Lake. The design of a new reinforced concrete dam was developed by the Engineering Staff of this Department and the construction was completed in August, 1958.

There was no access road to the site and all the material and equipment was brought in by barge across Lake Catchacoma, a distance of two miles.

The sluiceway portion and the northerly wing wall of the dam were based on solid rock. A trench was excavated at least two feet into solid rock to serve as a key between the bed rock and the concrete foundation of the dam. The southerly wing was based on a well compacted layer of clayish gravel.

The new dam is 133 feet long. It has two 14-foot sluiceways and an overflow wing wall. The head of water from the sluiceway sill to the controlled level is 5 feet and the top of the deck is 4 feet above this level. The top of the overflow wing wall is at the elevation of the controlled water

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level and the overflow crest is 64 feet 6 inches long. The sluiceways are fitted with steel chases and timber stop logs. The deck of the dam is 40 feet long, 11 feet wide and 12 inches thick. Two pairs of stationary gear winches were installed on the deck for operating the stop logs. A steel pipe hand rail was installed around the deck for safety of operation. A water level gauge was installed on the North pier of the dam. Impervious fill of clayish gravel was placed along the front of the Southerly wing wall to protect its foundation against underwashing. The slope of the southerly river bank was regraded and rock fill was placed for protection of this bank downstream of the dam.

A path was cleared along the south river bank to serve as a portage for small boats.

### **Dogpaw Lake Dam, Whitefish Bay, Kenora District**

Preparation of the construction site and part of the work on excavation of the bed rock was done last fiscal year. This year, concreting of the sluiceway portion of the dam was carried out and brought to completion. Approximately 2,900 cubic yards of reinforced concrete were placed in the foundation, piers, wings and deck of the dam. The north-easterly earth fill wing wall was also completed. With the freeze-up in December, 1958, construction was discontinued and the site closed.

The work will be resumed next fiscal year, as soon as weather conditions permit.

### **Frood Lake Dam, Curtin Township, Sudbury District**

To provide for additional discharge capacity of the existing concrete dam, the southerly wing wall was lowered by 13 inches. The wing wall is 59 feet long. About 2 feet of concrete was removed from the top of the wall and replaced by a new concrete cap. The cap was reinforced and tied to the old concrete of the wall with steel dowels. The new crest is at the elevation of the regulated summer level of the lake. The lowered wing wall will act as an overflow wing wall, as soon as the water level of the lake rises above the regulated level.

A steel pipe hand rail was installed around the deck and along the approach wall of the dam, for safety of operation.

### **Harris Lake Dams, Wallbridge Township, Parry Sound District**

The system of Harris Lake Dams includes the "American Trail Dam" on the South Branch of the Magnetawan River and four small dams at the outlet of Harris Lake. The Department of Lands and Forests installed this system in 1951 by reconstructing the American Trail Dam and constructing the four dams at Harris Lake. The purpose was to facilitate navigation from the South Magnetawan railway station to the foot of Harris Lake and to the "American Portage" on the South Magnetawan River. In 1956, these rock filled timber crib dams were found to be incapable of holding the required water level, and repairs and partial reconstruction of the system were found to be necessary.

In August, 1957, a temporary plug dam at the "American Trail" was constructed with rock and gravel fill, to prevent excessive drop of the

water level in the South Magnetawan River. This fiscal year the temporary dam was replaced by a rock filled timber crib structure. The new dam is 80 feet long, 10 feet wide and 5 feet high. It has its top at the elevation of the regulated water level and should act as a crest overflow dam at higher water levels. For lowering the water level below the regulated level, two sluiceways with hand operated stop logs were provided. The sluiceways were made 9 feet wide and 3 feet 6 inches deep. The timber cribs were anchored to the bed rock by expansion rock bolts. All the timber was treated with wood preservative.

Reconstruction of the remaining four small dams at the outlet of Harris Lake will be carried out next fiscal year.

### **Larder Lake Dam, McFadden Township, Temiskaming District**

The work of reconstructing the dam was commenced last fiscal year. This year, additional fill was placed for finishing the rock and earth filled wing wall, and the sluiceway portion of the dam was constructed.

The wing wall is 300 feet long, 40 feet wide on the top and up to 21 feet high. The impervious core of the wing wall is composed of clayish sand and gravel which was obtained in the vicinity of the construction site.

Rock excavation was carried out for the spillway channel and a hard and seamless layer of rock was uncovered at the channel bottom. On this layer the sluiceway portion of the dam was based. For a better bond between the rock and the concrete of the dam, a cut-off trench was excavated at least one foot into solid rock along the whole length of the sluiceway foundation.

The sluiceway portion of the dam was constructed with reinforced concrete. It is 90 feet long and has three 14-foot gates with steel chases and timber stop logs. The head of water from the sluiceway sill to the maximum controlled level is 5 feet and the top of the deck is 4 feet 6 inches above this level. The deck is 66 feet long, 12 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of the stop logs. A steel pipe hand rail was installed around the deck for safety of operation. A timber protection boom was installed in front of the dam. The project was completed in October, 1958.

### **Lavieille Lake Dam, White Township, Nipissing District**

The existing timber crib dam was constructed by this Department during the fiscal year 1949-50. This year, the deck of the dam was renewed, sheeting along the front of the wing walls was repaired where necessary, additional rock fill was placed in the sluice gate piers and earth fill was renewed along the wing walls. The new deck was made of 3-inch planking which was treated with wood preservative. The stop log winches were overhauled.

### **Lillabelle Lake Dam, Glackmeyer Township, Cochrane District**

At the request of the Department of Lands and Forests, an old timber dam at the outlet of Lillabell Lake was reconstructed this fiscal year. The dam is essential for the Department of Lands and Forests air base located at this lake. The new dam was constructed with reinforced



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concrete as designed by the Engineering Staff of this Department. The work was commenced in July and completed in November, 1958.

The new dam rests on a reinforced concrete foundation slab which is 91 feet long, 13 feet wide and up to 3 feet 4 inches thick. The foundation slab is based on a layer of sandy clay. An impervious carpet of clayish gravel fill was placed along the front of the dam. The carpet is 30 feet wide and 3 to 4 feet thick. The river bed downstream of the dam was improved with coarse gravel fill and stone rip-rap. The slopes of both river banks were regraded and earth fill was placed where necessary to form the approaches to the dam.

The dam is 91 feet long and has one 12-foot sluiceway and an overflow wing wall. The head of water from the sluiceway sill to the controlled level is 4 feet 2 inches and the top of the deck is 5 feet 4 inches above this level. The top of the overflow wing wall is at the elevation of the controlled water level and the overflow crest is 35 feet long. The sluiceway is fitted with steel chases and timber stop logs. The deck is 20 feet long, 12 feet wide and 12 inches thick. A pair of stationary gear winches was installed on the deck for operating the stop logs. A steel pipe hand rail was installed around the deck for safety of operation.

### **Longbow Lake Dam, Kirkup Township, Kenora District**

The dam at the outlet of Longbow Lake, originally built many years ago, was reconstructed by a Pulp and Paper Company in 1924 and in 1936. In June, 1955, it was taken over by the Department of Lands and Forests, found to have deteriorated beyond repair and its reconstruction requested in 1958.

During the winter months of 1958-9, work on preparation of the construction site was carried out. The access road was improved where necessary and the camp buildings were erected. The construction work will be carried out next fiscal year.

### **Longford Mills, Lake Couchiching Dock, Ontario Athletic Leadership Camp, Ontario County**

A floating dock 46 feet long and 14 feet wide was constructed this fiscal year as an addition to the permanent dock and one floating section constructed last year. The new floating section is supported by 12 steel tanks each of 200-gallon capacity. The frame of the dock was made of 8-inch by 10-inch timber, the deck was made of 3-inch planking and the sides were sheathed with 2-inch lumber. All the timber was treated with wood preservative. The steel tanks were treated outside and inside with asphalt paint.

A de-icing system was installed around the permanent portion of the dock to keep the area around the dock ice free. This was found to be necessary because the movement of ice on Lake Couchiching has damaged many docks in this area. An electric motor-driven 2 H.P. air compressor was installed on the dock and a 1½-inch diameter copper pipe was laid on the lake bottom around the dock. By discharging compressed air through small openings in the pipe, enough turbulence was created in the water

to thaw the ice around the dock. The de-icing system appeared to be effective in relatively small depths of water ranging from 18 inches to 6 feet.

### **Magnetawan Dams, Village of Magnetawan, Parry Sound District**

The timber decks of the two westerly dams were renewed. Three steel stringers were found to have deteriorated beyond repair and were replaced by new steel I-beams and the wood nailing strips were replaced on all the remaining stringers. The new deck was made of 3-inch by 8-inch timber planking.

### **Manitou River Dam, Rainy River District**

The existing reinforced concrete dam was reconstructed by this Department during the winter of 1951-52. Some erosion of concrete had developed along the water line at the front of the piers. The site was de-watered, the eroded concrete was removed to the depth of 12 inches and replaced by new concrete. The new concrete was tied to the core of the piers by the embedded reinforcing steel and by rock bolts. The river channel upstream of the dam was deepened and widened to facilitate inflow to the dam. A steel pipe hand rail was installed along the downstream side of the deck for safety of operation. A water level gauge was installed on the easterly pier of the dam.

### **Marion Lake Dam, Finlayson Township, Nipissing District**

The old timber crib dam at the outlet of Marion Lake in the Big East River area was badly deteriorated and was shifted from its base during the excessive flood caused by Hurricane "Audrey" in July, 1957.

An experimental, porous crest overflow dam was constructed this fiscal year at the location of the old timber dam. The dam was constructed with rock and gravel fill as designed by the Engineering Staff of this Department. The dam is 110 feet long, 10 feet wide on the top and up to 5 feet 6 inches high. A portion of the rock filled dam embankment was left uncovered for passing water through the voids of the rock fill. The remainder of the embankment was made water-tight by placing gravel fill in front of the rock fill. The idea of the design is to store a portion of the freshet or flood water in the lake reservoir and to let the stored water slowly dissipate through the porous rock fill. Such a structure should reduce to some extent the peak of the flood in the river downstream from the dam, and should feed the river during a period of 40 days after the flood is over.

The work was completed in December, 1958. Observations of the flow will be carried out during the freshet and summer season of 1959 to ascertain whether the desired effect has been obtained.

### **North Milne Lake Dam, Law Township, Nipissing District**

The Department of Lands and Forests requested the reconstruction of the old timber dam at the outlet of North Milne Lake. The old dam had deteriorated beyond repair and was no longer capable of holding water. The dam was reconstructed with reinforced concrete as designed by the Engineering Staff of this Department.

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The dam rests on a reinforced concrete foundation slab which is 69 feet long, up to 12 feet wide and 3 feet thick. The foundation slab is based on a layer of well consolidated clayish sand and gravel and is joined to solid rock on both river banks.

The new dam is 102 feet long. It has one 12-foot sluiceway and an overflow wing wall. The head of water from the sluiceway sill to the controlled level is 5 feet and the top of the deck is 2 feet 6 inches above this level. The top of the overflow wing wall is at the elevation of the controlled water level and the overflow crest is 26 feet long. The sluiceway is fitted with steel chases and timber stop logs. The deck of the dam is 20 feet long, 9 feet wide and 12 inches thick. A pair of stationary gear winches was installed on the deck for operation of stop logs. A steel pipe hand rail was installed around the deck for safety of operation.

An impervious carpet of clayish gravel fill was placed along the front of the dam. The carpet is 20 feet wide and up to 4 feet thick. The work was completed in July, 1958.

### **Panache Lake Dam, Truman Township, Sudbury District**

The concrete sills in the two sluiceways of the older (southerly) portion of the dam were found to be deteriorated and broken. These sills were reconstructed with reinforced concrete.

### **Paudash Lake Dam, Faraday Township, Hastings County**

The concrete dam at the outlet of Paudash Lake which was constructed by this Department in 1930 was found to be deteriorated beyond repair. In 1957, the Department of Lands and Forests requested the reconstruction of the dam.

The new structure was designed in reinforced concrete by the Engineering Staff of this Department, and reconstruction was carried out during this fiscal year. The project was completed in September, 1958.

The dam rests on a reinforced concrete foundation slab which is 40 feet long, 24 feet wide and up to 4 feet thick. The foundation slab is based on solid rock. The weathered surface of rock was removed by blasting and a cut-off trench was excavated at least 2 feet into solid rock to provide for a satisfactory bond between the bed rock and the concrete foundation of the dam.

The foundation slab was extended downstream beyond the sluiceway piers to form a stilling basin which reduces the velocity of the flow and protects the sandy river banks from erosion.

The new dam is 200 feet long. It has two 14-foot sluiceways and an overflow wing wall. The head of water from the sluiceway sill to the controlled level is 7 feet and the top of the deck is 4 feet above this level. The top of the overflow wing wall is at the elevation of the controlled water level and the overflow crest is 54 feet long. The sluiceways are fitted with steel chases and timber stop logs. The deck of the dam is 40 feet long, 13 feet wide and 12 inches thick. Two pairs of stationary gear winches were installed on the deck for operating the stop logs. A steel pipe hand rail was installed around the deck for safety of operation.



The slopes of the river banks were regraded and seeded. Downstream of the dam, the banks were protected with rock rip-rap.

A timber protection boom was installed in front of the dam. A water level gauge was installed on the easterly wing wall of the dam.

#### **Pickerel Lake Dam, Quetico Park, Rainy River District**

The concreting of the new structure was carried out last fiscal year and the dam was completed to the extent that it could maintain the lake level within one foot of the desired elevation. With the freezing of the lake and closing of the navigation route from French Lake to the construction site in November, 1957, the work was discontinued and the site was closed for the winter.

This fiscal year the end portions of both wing walls were constructed with reinforced concrete, the remaining portion of the earth filled cofferdam was removed and the river channel was cleared upstream as well as downstream from the dam.

A timber protection boom was installed in front of the dam. A water gauge was installed on the westerly pier of the dam. The camp buildings were removed and the construction site was cleared. The slopes of the earth fill were readjusted on both river banks.

An outlet at the westerly end of Pickerel Lake was plugged with rock and earth fill. This plug dam is 60 feet long, 10 feet wide on the top and up to 8 feet high.

The temporary dock and shelter at French Lake and the navigation lights on the water route to the construction site were removed. Upon request of the Department of Lands and Forests one navigation light at the mouth of French River was left in place to facilitate safe travelling from Pickerel Lake into French River.

The project was completed in October, 1958.

#### **Pine Lake Dam, McConkey Township, Parry Sound District**

Repairs were made to the concrete piers of the dam. The eroded concrete at the downstream side of the piers was removed and new concrete placed. The broken stop log gains were repaired. The earth filled northerly wing wall of the dam was reinforced with additional gravel fill.

#### **Port Carling Locks, Muskoka District**

The wharf along the south side of the park island between the Small Lock and the highway bridge was found to have deteriorated beyond repair. The design of a new wharf was developed in reinforced concrete and gravel fill and the reconstruction work was carried out during the winter months of 1958-59. The river channel was widened by 11 feet in its narrowest section and was deepened to suit the navigation. The concreting of the side wall of the wharf was carried out in cold weather and a small steam plant was installed for heating the aggregate and for curing the concrete. The work is scheduled to be completed before the opening of the 1959 tourist season.

Timber planking was renewed where necessary on other wharves and docks around the Large Lock.

#### **Sandfield Dam, Township of Sandfield, Manitoulin District**

The dam at the Department of Lands and Forests Sandfield Fish Hatchery developed leakage, caused by deterioration of aged concrete and



View showing construction progress at Pickerel Lake Dam  
RAINY RIVER DISTRICT

by lack of bond between the concrete and the bed rock. The leakage was stopped by placing impervious earth fill along the front of the old concrete structure. At the same time, the stop log chases were renewed in the two sluiceways of the dam and the river bed downstream of the dam was cleared and improved by excavation.

#### Scott's Dam, Patterson Township, Parry Sound District

The sluiceway portion of the dam was constructed last fiscal year. This year, the northerly wing wall of the dam was reconstructed with timber and rock fill. The rock filled cribbing of the old dam was left in place and was used as a basis of the wing wall structure to which a new top and new side sheeting were added. Additional rock fill was brought in where necessary. The crest of the wall was covered with 2-inch by 10-inch planking and the same material was used for the sheeting along the front of the wall.

The reconstructed wing wall has its crest at the elevation of the controlled water level and should serve as an overflow wing wall at higher lake levels. It is 110 feet long, 8 feet 10 inches wide on top, and up to 7 feet high. The work was completed in October, 1958.



## Ontario Hospital, Whitby, Shore Protection, Ontario County

A protection wall 1,000 feet in length was constructed last fiscal year in front of the Administration Building. This year, a similar wall 1,200 feet in length was constructed at the west end of the Hospital property to protect the hospital grounds in front of the new sewage treatment plant. The work was carried out by a contract and was completed in July, 1958.

The front portion of the protecting wall was constructed with reinforced concrete blocks and massive quarry stone, placed as dry masonry. Behind the dry masonry, a filter of smaller stone and a backfill of gravel were placed. The reinforced concrete blocks were purchased from the Ontario Hydro-Electric Power Commission as salvage from the Grass Island coffer dam at Niagara Falls. The blocks were 10 feet long, 2 feet 5 inches wide, 3 feet 2 inches high and  $5\frac{3}{4}$  tons in weight. They were used to form the bottom layer of the protection wall on which the massive quarry stone was placed. The quarry stone blocks were 3 to 8 tons each in weight.

The top of the wall was kept at the same elevation (255.00 geodetic) as last year, with the exception of the westerly end of the wall where its height was gradually lowered to elevation 252.00 to correspond with the ground level at that location.

A 16-foot wide outlet channel through the protection wall was constructed at the sewage treatment plant for discharge of the effluent. The sides of the outlet were formed of concrete blocks and the floor was made of flat quarry stone.

The top of the wall, including backfill, was made up to 30 feet wide to serve as a roadway. It has a 6 per cent. slope towards the lake. The backfill was placed without compaction to insure adequate drainage of the water which may percolate through the cliff. It is expected that the loose backfill will settle during the first year of service and that some refilling and regrading will be necessary. This is scheduled to be carried out next fiscal year.

The remaining unprotected portion of the hospital grounds between the ends of the two protection walls has a shore line of 930 feet. The cliff at this location is 30 feet high and protrudes about 150 feet into the lake. The rate of further erosion of this cliff should indicate whether a third portion of protection wall linking the two existing walls will be necessary.

## Current Repairs and Minor Construction Work

Regular maintenance of dams, docks, locks and navigable channels was carried out, and repair and minor construction work, including the overhauling of stop log winches and the painting of steel parts of dams and locks, was carried out where necessary.

Timber protection booms were repaired and replaced in front of 16 dams. Driftwood was removed from 28 dams.

The construction equipment was overhauled and repaired and made ready for use in the ensuing season.

### Bala (North) Dam, Muskoka District

Steel angle brackets were installed in the sluiceways of the dam to facilitate the tightening of the stop logs.



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## **Distress Dam, Muskoka District**

Improvements with rock fill were made to the river channel below the dam.

## **Footprint Lake Dam, Rainy River District**

Stop logs were renewed, and a new hand rail, a protection boom and a water level gauge were installed.

## **Huntsville Locks, Muskoka District**

The dislodged upper gates were placed in position.

## **Ivanhoe Lake Dam, Sudbury District**

The timber deck and the hand rail were renewed.

## **Joe Lake Dam, Nipissing District**

The timber deck and the stop logs in the fish ladder gate were renewed.

## **Little Rapids Dam, Algoma District**

A hole in the old wing wall of the dam was plugged with concrete.

## **Lyndhurst Dam, Leeds County**

Leaks in the dam were plugged and stop logs were renewed.

## **Noganosh Lake Dam, Parry Sound District**

The pointing of masonry walls and the repairing of piers with concrete were carried out.

## **Port Sandfield Dock, Muskoka District**

Repairs were made to the stringers and the timber deck.

## **Port Sydney Dam, Muskoka District**

The timber deck was repaired and a new steel pipe hand rail was installed.

## **Ranger Lake Dam, Algoma District**

New stop log winches and a new hand rail were installed.

## **Talon Lake Dam, Nipissing District**

Minor repairs were made to one concrete pier, the deck and the hand rail.

## AIDS TO NAVIGATION

Two hundred and thirty drum buoys and 57 spar buoys were placed on the navigation routes in the areas of Lakes Muskoka, Rosseau and Joseph; 47 drum buoys were placed in Ahmic Lake, Lake Cecebe and the Magnetawan River; and 36 drum buoys were placed in Lake Vernon, Peninsula and Fairy Lakes, the Muskoka River and Mary Lake.

Eight new warning signs indicating danger to navigation because of fast currents and rocks were placed as required.

## LOCKAGES

The records of watercraft which were passed through the three locks operated by the Provincial Government were as follows:

	<i>Steamers</i>	<i>Small Boats</i>	<i>Scows</i>	<i>Total</i>
Port Carling	263	8,123	24	8,410
Huntsville	—	1,158	—	1,158
Magnetawan	—	617	—	617
	<u>263</u>	<u>9,898</u>	<u>24</u>	<u>10,185</u>

## PROVINCIAL AID TO DRAINAGE

### Grants Paid During the Fiscal Year 1958-1959

<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Brant	Burford	1	\$ 971.42
Bruce	Albemarle	1	1,364.97
Bruce	Arran	3	8,775.37
Bruce	Elderslie	2	6,382.68
Bruce	Huron	1	943.67
Carleton	Gloucester	3	2,025.95
Carleton	Nepean	1	641.38
Dufferin	Amaranth	4	2,458.00
Dufferin	East Luther	1	971.98
Dufferin	Melancthon	1	2,884.90
Dundas	Matilda	3	5,026.75
Dundas	Williamsburg	1	1,148.98
Dundas	Winchester	2	1,870.61
Elgin	Aldborough	6	5,727.97
Elgin	Bayham	4	5,128.80
Elgin	Dunwich	14	7,066.59
Elgin	Malahide	2	1,788.03
Elgin	South Dorchester	4	3,451.49
Elgin	Southwold	1	2,633.61
Elgin	Yarmouth	4	5,708.24
Essex	Anderdon	5	2,699.65
Essex	Colchester North	3	1,897.27
Essex	Colchester South	11	16,212.11
Essex	Gosfield North	3	1,214.50

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<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Essex	Gosfield South	10	11,629.81
Essex	Maidstone	5	4,264.96
Essex	Malden	11	9,511.10
Essex	Mersea	23	18,472.43
Essex	Pelee	1	2,191.29
Essex	Sandwich East	3	1,705.84
Essex	Sandwich South	9	9,005.50
Essex	Tilbury North	7	6,287.86
Essex	Tilbury West	4	3,784.90
Glengarry	Kenyon	2	3,554.73
Glengarry	Lancaster	4	6,050.59
Glengarry	Lochiel	1	2,151.64
Grenville	Edwardsburg	1	1,171.75
Haldimand	Dunn	1	1,017.87
Haldimand	Moulton	4	9,446.20
Huron	Ashfield	1	963.67
Huron	Colborne	1	794.36
Huron	East Wawanosh	2	1,973.44
Huron	Grey	3	1,312.12
Huron	Hay	4	1,211.27
Huron	Howick	1	450.25
Huron	McKillop	1	4,236.72
Huron	Morris	2	2,089.98
Huron	Stephen	6	11,926.62
Huron	Tuckersmith	1	2,518.10
Kent	Camden	14	17,901.86
Kent	Chatham	14	10,361.16
Kent	Dover	5	2,701.03
Kent	Harwich	14	10,829.36
Kent	Howard	11	8,695.69
Kent	Orford	6	2,029.29
Kent	Raleigh	16	18,686.05
Kent	Romney	2	1,326.10
Kent	Tilbury East	19	22,796.04
Kent	Zone	5	1,987.00
Lambton	Bosanquet	7	6,658.72
Lambton	Brooke	6	5,180.40
Lambton	Dawn	7	12,586.98
Lambton	Enniskillen	17	25,220.70
Lambton	Euphemia	18	8,547.45
Lambton	Moore	21	9,994.76
Lambton	Plympton	13	16,120.10
Lambton	Sarnia	4	15,415.13
Lambton	Sombra	13	10,812.75
Lambton	Warwick	6	8,086.45
Leeds	Elizabethtown	1	3,862.23
Lincoln	Niagara	1	1,184.67
Middlesex	Biddulph	3	4,206.52
Middlesex	Caradoc	3	2,085.79
Middlesex	Delaware	1	1,271.99
Middlesex	East Williams	3	9,727.16



<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Middlesex	Ekfrid	6	4,285.15
Middlesex	Lobo	2	2,063.32
Middlesex	London	3	2,468.38
Middlesex	McGillivray	6	23,361.38
Middlesex	Metcalfe	1	215.15
Middlesex	Mosa	5	2,720.54
Middlesex	Newbury (Village)	1	375.58
Middlesex	North Dorchester	6	3,330.26
Middlesex	Parkhill (Town)	1	89.65
Middlesex	West Nissouri	1	959.49
Nipissing (District)	Caldwell	2	6,100.57
Norfolk	Charlotteville	3	2,330.41
Norfolk	Middleton	2	1,600.72
Norfolk	North Walsingham	1	558.33
Norfolk	Townsend	4	7,035.80
Norfolk	Windham	4	10,113.06
Oxford	Blandford	1	16.66
Oxford	Dereham	2	790.95
Oxford	East Nissouri	5	3,382.33
Oxford	East Oxford	1	1,042.33
Oxford	East Zorra	1	9,315.46
Oxford	North Oxford	2	2,898.53
Oxford	South Norwich	2	1,358.53
Oxford	West Zorra	1	1,156.13
Perth	Blanshard	2	1,004.63
Perth	Downie	2	1,219.63
Perth	Ellice	9	5,530.86
Perth	Elma	2	2,124.69
Perth	Fullarton	3	1,942.62
Perth	Hibbert	6	5,366.76
Perth	Logan	1	678.53
Perth	Mornington	6	9,155.98
Perth	North Easthope	3	1,723.56
Perth	South Easthope	4	3,790.64
Perth	Wallace	4	3,875.50
Prescott	Caledonia	2	1,875.83
Renfrew	Westmeath	1	3,853.35
Simcoe	Essa	1	1,565.12
Simcoe	Sunnidale	2	1,948.28
Simcoe	West Gwillimbury	3	3,326.38
Stormont	Finch	2	2,254.22
Stormont	Roxborough	2	3,304.28
Waterloo	Wellesley	5	1,863.46
Welland	Humberstone	1	1,065.67
Welland	Wainfleet	3	2,307.37
Wellington	Maryborough	3	3,104.72
Wellington	Minto	5	4,252.77
		554	\$599,996.86

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

## TERRITORIAL DISTRICTS — NON-MUNICIPAL

The Provincial Aid to Drainage Act, 1954, allows for financial assistance up to eighty per cent. of the cost of approved drainage works in unorganized Townships in Territorial Districts and Provisional Counties. The remaining twenty per cent. of the cost is paid by the owners of the benefiting lands. Financial assistance under the provisions of The Provincial Aid to Drainage Act, 1954, amounted to \$10,612.44 on four drainage projects, as follows:

<i>District</i>	<i>Township</i>	<i>Amount</i>
Kenora	Eton	\$ 6,912.00
Manitoulin	Mills	451.96
Nipissing	Badgerow	872.68
Nipissing	Macpherson	2,375.80
		<hr/>
		\$10,612.44

These projects were all surveyed, assessments, plans and specifications prepared, tenders invited, contracts awarded and construction supervised by the Department.

## MUNICIPAL DRAINAGE

Grants totalling \$457.40 were paid in aid of Municipal Drainage in the following locations:

<i>County</i>	<i>Township</i>	<i>Grant</i>
Renfrew	Westmeath	\$ 99.00
Victoria	Carden	358.40
		<hr/>
		\$ 457.40

## REMEDIAL WORKS

Nine projects, including flood relief work and stream outlet improvements, were authorized by Order-in-Council during the fiscal year. Eight payments to Municipalities upon progress certificates and completion of the work were made as listed below.

The largest contribution was made toward the cost of dredging and the construction of training walls at the outlet of Pike Creek into Lake St. Clair, in an endeavour to keep the channel clear by increasing the velocity of the flow. Pike Creek is the outlet of many agricultural drains. Blocking by silt deposits was causing the water to back up and flood surrounding properties, in addition to impeding the flow of water from some of the contributing drains, toward the cost of which the Province had already contributed a percentage under the provisions of The Provincial Aid to Drainage Act. After engineering investigation, reports and recommendations had been completed by the Dominion and Provincial Governments, it was agreed to share equally in the cost of the improvements.

Grants totalling \$43,228.89 were paid by the Province in aid of Remedial Works in the following locations:



View showing Flood Relief Ditching done by Dynamiting  
CHAPMAN TOWNSHIP, PARRY SOUND DISTRICT



# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

<i>County or District</i>	<i>Municipality</i>	<i>Grant</i>
Essex	Maidstone	\$31,855.32
Essex	Maidstone	5,530.00
Kent	Harwich	1,000.00
Norfolk	Simcoe	250.00
Parry Sound	Chapman	499.63
Parry Sound	Chapman	237.98
Parry Sound	South Himsworth	991.25
Rainy River	Atwood	2,864.71
		<hr/>
		\$43,228.89

## ROADS, SIDEWALKS, ETC.

New construction and repair and improvement work on roads, parking areas, sidewalks, curbs, etc., involving an expenditure of nearly \$500,000.00, was carried out during the fiscal year at various Government establishments. The extent of road work completed is equivalent to 12.8 miles of road.

### Department of Agriculture

#### Guelph, Ontario Veterinary College

A gravel road around the perimeter of the new Medical Surgical Building was constructed to provide better access. Widening of the entrances and improvement of the general condition of the parking lot were necessary to facilitate the accommodation of the increased number of vehicles. Approximately 3,100 square yards of road and parking lots were asphalted.

#### Vineland, Horticultural Experiment Station

A service road to the new Administration Building and a staff parking lot adjacent to the rear of the building were constructed. The construction of sidewalks amounting to approximately 5,400 square feet was carried out. The area of asphaltting was approximately 2,000 square yards.

### Department of the Attorney-General

#### North Bay, District Gaol

The entrance drive and the parking areas around the Gaol buildings were graded and paved. Also, a walking track inside the exercise area was graded and paved. The total area was 2,600 square yards.

#### Ottawa, Ontario Provincial Police

A driveway and an apron in front of the garages were constructed to improve the condition of the area and to prevent erosion of the granular base by water washing from the garages.



View showing Channel Widening for Flood Relief, Genesee Creek  
SOUTH HIMSWORTH TOWNSHIP, PARRY SOUND DISTRICT

#### **Sebringville, Ontario Provincial Police**

The work consisted of enlarging and reshaping the entrances and laying approximately 900 square yards of base course asphalt. The top course will be completed in 1959.

#### **Sturgeon Falls, Ontario Provincial Police**

An entrance drive and parking area in front of the Detachment Building was graded and asphalt pavement was laid. The total area was 1,571 square yards.

#### **Department of Education**

**Department of Education Annex, 206 Huron Street, Toronto**

To avoid excessive erosion of the existing cinder surface of the parking lot, asphaltting was carried out.

**Provincial Institute of Trades, 21 Nassau Street, Toronto**

The school parking lot on the south side of Baldwin Street was regraded and hard-surfaced. The boulevard on Nassau Street at the property line fronting the building was also surfaced to reduce the dust problem and to clean up the area in general. A pipe rail fence was erected adjacent to the sidewalk on Nassau Street to prevent parking on the grass.





showing completion of Pavement and Sidewalk Operations, Horticultural Experiment Station  
VINELAND

## **Department of Health**

### **Brockville, Ontario Hospital**

Work was undertaken to improve the general condition of roads and sidewalks at the Hospital. The construction consisted of altering grades, widening and paving existing gravel roads, and providing curbing and catch basins to alleviate the drainage problem. A new paved parking area for 95 cars was provided for staff parking, and existing parking areas were improved.

### **Cobourg, Ontario Hospital**

A concrete retaining wall was constructed to stop water running from the coal pile over the sidewalk and road, thus eliminating the hazardous condition that had existed during freezing weather. The work was carried out under supervision of this branch, using the Hospital Department of Public Works labour and local materials.

### **Kingston, Ontario Hospital**

The equivalent of approximately 2½ miles of new road was constructed at the new 500-bed Hospital. Sidewalks leading from the perimeter



road to the Male and Female Wings were constructed, and curbing was installed to control drainage of the roads. A new parking lot, 250 feet by 250 feet, was provided for Hospital staff and visitors' parking.

#### **London, Ontario Hospital**

Minor repairs were effected on a rough area of asphalt to the west of the kitchen, and asphalt ramps were constructed on the concrete walks that are used to move food from the kitchen to the dining hall.

#### **New Toronto, Ontario Hospital**

To accommodate the increased volume of cars on visiting days, a 300-car parking lot was constructed. Five catch basins were installed to accommodate the increased run-off. Owing to the onset of cold weather, granular base only was laid. The asphaltting of parking lots is carried over to 1959.

#### **North Bay, Ontario Hospital**

The main entrance road, service roads, parking areas and a tennis court, constituting a total area of 27,731 square yards, were graded and paved with hot laid 6 base course. Also, 12,700 square feet of sidewalk were laid and 644 linear feet of concrete curbing placed.

#### **Orillia, Ontario Hospital School**

On completion of the new Power House, a coal yard and parking area were provided. In addition, a staff parking area was constructed in the immediate vicinity of the Department of Public Works Office. Hard surfacing was carried out on two entrance roads, the area immediately adjacent to the building and the base for the coal pile.

#### **Toronto Psychiatric Hospital**

To reduce dust entering the doors and windows, granular base and asphaltting work was carried out.

#### **Woodstock, Ontario Hospital, T.B. Unit**

The main entrance road was widened approximately 10 feet to accommodate more safely the volume of traffic, and a parking lot for visitors was constructed at the hospital entrance. Also completed were two service roads, drainage for main thoroughfares, and an additional staff parking lot. Approximately 17,000 square yards of asphalt were used to complete the job.

#### **Department of Lands and Forests**

##### **Maple, Southern Experimental Station**

The main entrance road, connecting roads, staff parking lots and sidewalks were constructed. The work was necessary to improve the safety of traffic and to facilitate snow removal during the winter months.

#### **Department of Reform Institutions**

##### **Bowmanville, Ontario Training School for Boys**

Roads, catch basins and sidewalks were constructed to improve the condition of the grounds at the School. Owing to the onset of winter, only the base course of asphalt was laid.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "W. L. Rie". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Chief Hydraulic Engineer.

# REPORT OF THE CHIEF SANITARY ENGINEER

---

Parliament Buildings,  
Toronto, Ontario,  
March 31st, 1959.

Mr. J. D. Millar,  
Deputy Minister,  
Department of Public Works.

## RE: CHIEF SANITARY ENGINEER'S REPORT, 1958-1959

Throughout the year all of the existing Sanitary Installations, which consist of Waterworks Systems, Sanitary Sewers, Storm Sewers, Sewage Disposal Plants, etc., at the various Schools, Hospitals and Institutions throughout the Province, were maintained in good operating condition.

At the Ontario Hospital, Orillia, the Storm and Sanitary Sewerage Systems were completely rehabilitated in order to remove from the Sanitary Sewers all Storm Water which was entering in numerous locations. This was necessary since all of the Hospital Sanitary Sewage is received by the Town of Orillia Sewage Treatment Plant. Many sections of both the Storm and Sanitary Sewers, which, due to age, were found to be in poor condition, were replaced. Further, the northern part of the Hospital, i.e. the Farm area, was connected with Storm and Sanitary Sewer extensions across Highway No. 11 to the respective sewers in the main Hospital building area.

At the Ontario Hospital, Hamilton, the Storm and Sanitary Sewers are combined. This system of sewers, following a complete survey, was completely rehabilitated, many new sections being constructed. At the same time, Sewers and Watermain extensions were provided to serve the new Power House, Laundry Building and Trades Building.

The elevated steel water tank and tower at each of the following locations was repaired and repainted: Ontario Hospital, Brockville; Ontario Hospital, St. Thomas; Ontario Agricultural College, Guelph.

During the year many new buildings were constructed at the larger Ontario Hospitals, the Ontario Agricultural College and at other Institutions; also several new Institutions were constructed such as the Fire Marshal's College at Gravenhurst, the Girls' Training School, Brampton, and the Ontario Government Building, Lindsay. In each case services were designed and constructed by Contract or by Department forces; in the case of the new Building at Lindsay, a steel package type Sewage Disposal Plant has been purchased and received; this Unit will be installed and placed in operation during the late Spring.

Designs were made and working drawings completed for the following large Works Contracts which are to be carried out this year:

### **Agricultural School, Ridgetown**

A new modern Sewage Treatment Plant of the Mechanical type, together with the necessary Sanitary Sewers to transport the Sewage to the

Plant from all the various buildings, each formerly served by a large septic tank with disposal field. Tenders were called in late February for this construction and close on April 1st, 1959. This Plant will have a capacity of 30,000 Imperial Gallons per day.

### **Agricultural School, Kemptville**

Major extensions to both the Storm and Sanitary Sewers in order to provide service in both newly constructed and proposed buildings and extensions.

### **Boys' Training School, Bowmanville**

Tenders were called early in the summer of 1958 for the construction of a modern, mechanical type, Sewage Treatment Plant. In view of the fact that each Tender received was considered to be too high in price, the Tenders were cancelled. Tenders for this construction were called a second time and close on April 1st, 1959.

### **Industrial Farm, Camp Bison, Burwash**

Tenders for the construction of a new Sewage Treatment Plant were deferred one year due to the fact that the buildings at this location would not be completed. Tenders have now been called for this construction and close on April 1st, 1959.

### **District Gaol, Kenora**

Plans and specifications for a complete new treatment Sewage Disposal Plant are now 90% complete. This Plant will serve the original gaol together with the three proposed extensions and will have a capacity of 15,000 Imperial Gallons per day. It is expected that Tenders will be called for this construction in late April or early May of 1959.

### **Ontario Reformatory, Millbrook**

Plans and specifications for a mechanical type Sewage Treatment Plant are now 75% complete. Tenders for the construction of this Plant will be called early in June.

### **Ontario Reformatory, Mimico**

Tenders for the construction of a complete Storm Sewage System were deferred until the Township of Etobicoke could finalize their overall plans for storm sewers in this area of the Township. Tenders were called for this construction in late February and close on April 1st, 1959.

Larger construction projects completed during the year are as follows:

### **Ontario Hospital, Whitby**

The construction of the Sewage Treatment Plant, commenced a year ago, was completed and this Plant was put into operation late in May.

### **Boys' Training School (Strathmore House), Cobourg**

Construction of a Sewage Pumping Station with allied gravity influent sewers and force main discharging the Sanitary Sewage into the Town system of Sewers was completed. This sewage is now receiving



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959

treatment in the Town Sewage Treatment Plant; formerly this building of the School was served by a large septic tank and disposal field which was unsatisfactory. A system of storm drains which discharge into the adjacent Creek was also installed.

### **Industrial Farm, Burtch**

A reinforced concrete Underground Water Reservoir with a capacity of 130,000 Imperial Gallons was constructed to replace the old Wood Stave Water Tank which was built in 1941 by the R.C.A.F. A new Domestic Service Water Pump was also purchased and installed in the adjacent Booster Pumping Station.

### **Western Ontario Agricultural School and Experimental Farm, Ridgetown**

Extensive revisions and additions were made to the Water Distribution System. These included the installation of 3,000 lineal feet of additional 6-inch Cast Iron Water Mains, 6 Fire Hydrants, new Domestic Services to buildings and a new 6-inch Water Service connection to the Town system. This work was commenced in December and completed in March, to provide some winter employment in this locality.

### **Rideau Industrial Farm, Burritt's Rapids**

During the summer of 1958 the design and working drawings were completed for a new Sewage Disposal Plant of 50,000 Imperial Gallons per day capacity. The construction of this Plant was commenced in the early Fall by Departmental forces and is now 90% completed. The Plant will be in complete operation by the middle of May, 1959. Formerly the building area at this Farm has been served by a large twin unit Septic Tank with disposal field and underdrains which recently became inadequate.

### **Ontario Agricultural College and Ontario Veterinary College, Guelph**

The lands of these two Colleges located on either side of No. 6 Highway at Guelph are divided into two Storm Sewer areas by reason of the natural topography. One Storm Sewerage area lies wholly within the Agricultural College. During the summer of 1958 a complete system of Storm Sewers was constructed in this area. The other area includes a portion of the Agricultural College and all of the Veterinary College with the natural drainage outlet, leading through the Township of Guelph, thence into the Speed River. An agreement for the construction of the Storm Sewerage in this area was entered into with the Township, who were also desirous of facilitating Storm drainage within the Township. The contractor commenced this construction in November last and the work is now 80% completed. Both of the above-mentioned Sewage Works were urgently required due to the recent development carried out and the construction of new large buildings such as the Soils Building, Vehicle Storage Building, Chemistry and Biology Buildings, etc., which add large volumes of roof water and paved parking area water run-off. The original Storm Sewers were constructed in 1924 and became very heavily overtaxed.



View showing progress of construction of the Sewage Treatment Plant during winter sub-zero temperatures

SUDBURY (McFARLANE LAKE)

### **McFarlane Lake Building Site, Near Sudbury**

This is a large site with a 550-foot frontage on Highway No. 69; the property is 4,900 feet deep and extends back to McFarlane Lake. This site will eventually accommodate a Provincial Police Detachment and the Department of Highways, Public Works, also Lands and Forests. The following services have been constructed which are capable of serving the whole site for the various Departments as above mentioned.

- 1). Waterworks system complete which includes: Cast Iron Intake in Lake, Wet Wall with low lift pumps, and underground concrete reservoir with booster pumping station, a system of mains with fire hydrants and services for both fire protection and domestic supply. The system is now in use.
- 2). Storm Sewerage System. The trunk sewer, which consists of sewers from 8-inch diameter to 30-inch diameter in size and is 4,300 lineal feet in length; a pumping station has also been completed which is required to lift all the storm water flow so that same can be disposed of into the Lake. The necessary lateral sewers to serve the Department of Highways Buildings and the Public Works Buildings have been completed.
- 3). The trunk sanitary sewer together with the Sewage Lift Station and lateral sewers for Highways and Public Works Buildings have been completed.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1959


- 4). A temporary Sewage Disposal System consisting of a Septic Tank with Disposal Field has been constructed and was placed in operation when the Department of Highways occupied their buildings last Fall.
- 5). The permanent Sewage Treatment Plant which will have a capacity of 30,000 Imperial Gallons per day, is presently under construction by contract and is 25% completed. This plant will be completed and in operation by Midsummer of 1959.
- 6). The Sewage Treatment Plant effluent sewer which is a Force Main has been installed. It is of Cast Iron Pipe and is one mile in length. When the Treatment Plant is completed and in operation, this Force Main will carry the chlorinated effluent out into the Lake approximately a mile and a quarter distant from the Waterworks Intake.

During the year at various locations throughout the Province, 42 deep wells were drilled, developed and brought into production. All of these wells, with one exception, were of small and medium capacity with a production of from 5 to 40 Imperial Gallons per minute. In each of these cases, where the building to be supplied was completed, a suitable automatic domestic pressure system was supplied and installed. The one large well completed was at the Southern Research Station, Department of Lands and Forests, Maple. This well produces 180 Imperial Gallons per minute. An electric driven turbine pump was purchased and installed in the well and a pumphouse constructed to house the unit.

At the Industrial Farm, Burwash, Main Camp and Town Site, and at the Ontario Hospital, Penetang, a complete Site Survey was carried out, from which a Site Plan was drawn up, showing all buildings, roads, side-walks, fences, pole lines, curbs, etc., and all underground services.

At the Industrial Farm, Brampton; Agricultural School, Kemptville; Ontario Hospital, Brockville, and the Ontario Hospital, 999 Queen Street West, Toronto, a re-survey was made and the respective Site Plan revised accordingly and brought up to date.

Respectfully submitted,



Chief Sanitary Engineer.





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*Compiled and Edited by*

A handwritten signature in dark ink, appearing to read 'N. Mitchell', written in a cursive style.

NIMMO MITCHELL

DIRECTOR OF PUBLICITY

DEPARTMENT OF PUBLIC WORKS, ONTARIO









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ONTARIO

# Department of Public Works

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# ANNUAL REPORT









**REPORT**  
  
of the  
  
**Minister of Public Works**  
  
**PROVINCE OF ONTARIO**  
  
**FOR THE YEAR ENDING**  
  
**MARCH 31, 1960**

PRINTED BY ORDER OF  
LEGISLATIVE ASSEMBLY OF ONTARIO  
SESSIONAL No. 14 — 1960

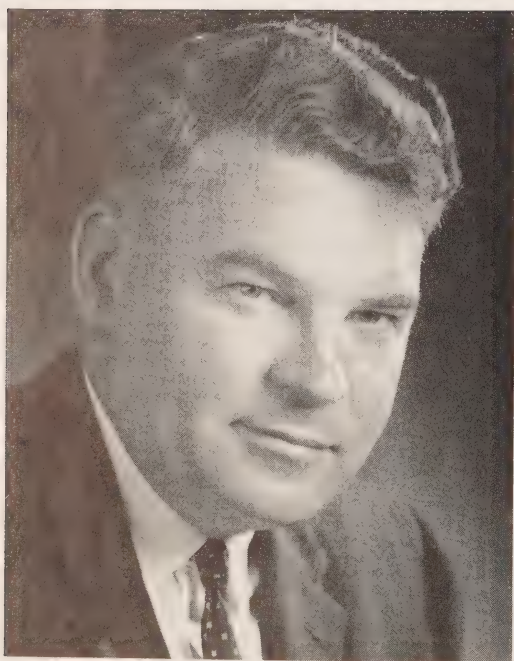


PRINTED AND PUBLISHED BY FRANK FOGG, ACTING PRINTER TO THE QUEEN'S MOST  
EXCELLENT MAJESTY.

TORONTO

CANADA





THE HONOURABLE  
RAY CONNELL

Minister of  
Public Works



ONTARIO

To:

THE HONOURABLE J. KEILLER MACKAY,  
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of your Honour and the Legislative Assembly, the Annual Report of the works under control of the Public Works Department, comprising the report of the Deputy Minister, for the twelve months ending the 31st. of March, 1960.

Respectfully submitted,

*Ray Connell*  
MINISTER OF PUBLIC WORKS

Department of Public Works, Ontario.

Toronto, March 31, 1960.

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## REPORT OF THE DEPUTY MINISTER OF PUBLIC WORKS

THE HONOURABLE RAY CONNELL,  
Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying reports of the Chief Architect, the Chief Property Valuator, the Chief Accountant, the Chief of Civil Engineering and the Chief Sanitary Engineer, for the fiscal year, April 1, 1959, to March 31, 1960.

In presenting this Report may I take the opportunity on behalf of the staff to express our appreciation to you for the kindly consideration that you have given to all matters pertaining to the administration of the Department. May I also thank the members of the staff for their assistance and untiring efforts in carrying out a large construction programme.

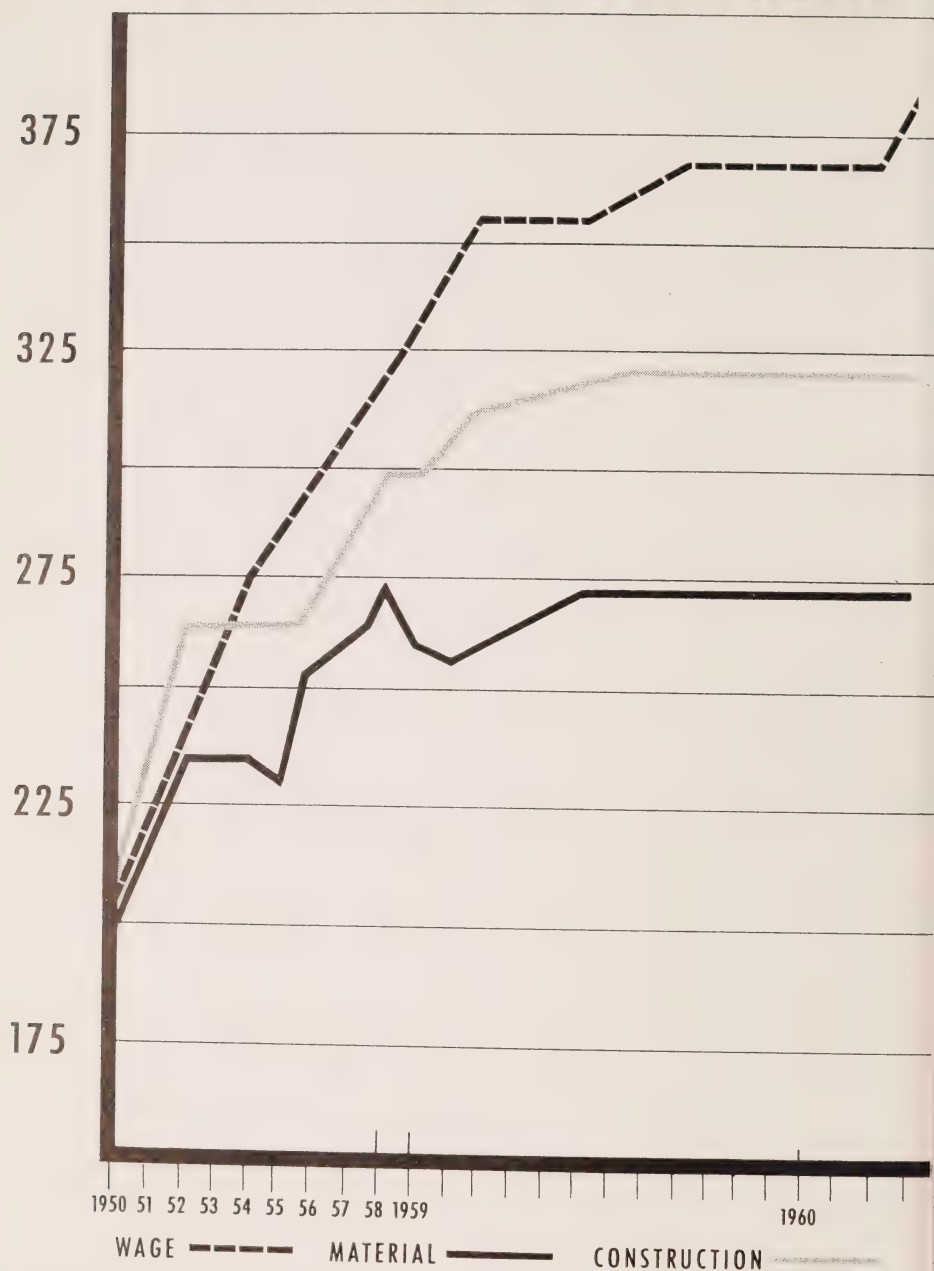
I have the honour to be, Sir,

Your obedient servant,

  
Deputy Minister of Public Works

Toronto, March 31, 1960.

# Construction Cost Indices



The Cost of Construction index is 53.5% of the Material, and 46.5% of the Wage indices.

Indices are D.B.S. figures on a base of 1949 = 100.

SOURCE:

Engineering & Contract Record.

# REPORT OF THE CHIEF ARCHITECT

To:

MR. J. D. MILLAR,  
Deputy Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

Dear Sir:

I have the honour to report on the work carried out by the Chief Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1959, to March 31, 1960.

Many types of construction projects were undertaken by the Department of Public Works for various branches of the government



Front entrance, New Administration Building, at Downsview.



services. Biggest single project completed and turned over for occupation by Highways' personnel was the new administration building for the Department of Highways at Downsview. This building is the last of a group designed to bring together in one location all the main service depots and offices of that department in the Toronto area. The exodus of Highways' staff from the Parliament Buildings allowed various other departments to occupy three floors of the northern section of the East Block formerly occupied by Highways.

Relocation and attendant services has been the keynote in the East Block with extensive alterations in progress to streamline the operation of government divisions particularly as regards Public Works. With an eye to future expansion the old buildings at 13 and 15 Queen's Park Crescent and the former Provincial Police headquarters on Sussex Street are being demolished. Also, in this connection, the property of St. Joseph's Convent School, a city block immediately east of the Parliament Buildings and bounded by Surrey Place, Breadalbane, Bay and Wellesley Streets, was purchased. Planning is now going ahead for expansion of government offices in this area.

The comprehensive programme of works already instituted for the Department of Health to increase the bed accommodation for mental patients was accelerated with the near completion of a 600-bed group of buildings, embodying the latest decor and improvements for mental health and treatment, at the Ontario Hospital, Hamilton; and a vast undertaking for a new hospital training school for retarded children at Cedar Springs is well under way.

Additions to various educational institutions were carried forward, a new teachers' college provided, and plans implemented for the construction of others. New buildings were erected for the Attorney General's Department to provide detachment buildings for the Ontario Provincial Police at strategic locations, and considerable renovation work was undertaken at various administrative offices. Major head office construction for the Ontario Hospital Services Commission and Departments of Transport and Agriculture were developed. Projects for the Department of Lands and Forests in northern Ontario and additions to Ontario Reformatories were proceeded with and new accommodation provided for Ontario Government offices.

Renovation and fireproofing of many of the older buildings has been undertaken, and this work is continuing, as well as a large amount of repair work necessary to maintain the public buildings in a good state of repair.

## LEGISLATIVE AND DEPARTMENTAL BUILDINGS

### PARLIAMENT BUILDINGS, Main Building and North Wing

A continuous programme of renovation is being conducted by all trades to keep the building and contents in a good state of repair. Lawns, trees, shrubs and flower beds were maintained in their usual beautiful condition, and a pleasing display provided for every phase of the growing season.

At the West Press Gallery a new floor was constructed to form upper and lower rooms. The lower room was built to specifications supplied by the CBC for use as a television studio. The upper level was designed and equipped for use as a Press Gallery.

The Provincial Secretary's suite was decorated. Offices 176-77-78-80-81 and 82, formerly occupied by the Department of Municipal Affairs, were renovated to form executive offices for the Minister of Energy Resources and staff. Rooms 268-269 and 70 were renovated to form a suite of offices for the Chairman and executive staff of the Civil Service Commission. The office and lounge in the Lieutenant-Governor's apartment was redecorated; and area on the second floor was partitioned off to provide a ladies' rest room, and the Ministers' Dining Room decorated.

Exterior work included the construction of bases for the installation of floodlights in front of the Main Building, repairs to storm damage on the roof and renewal of copper gutter, and repairs to stone and flashings at the east side of the building.

At the North Wing renovations were undertaken in the basement to provide additional office space. The southerly section was finished as a filing area for the Department of Education.

### EAST BLOCK

At Christmastime three floors of the northern section of the East Block were vacated by the Department of Highways and the space assigned to the Departments of Agriculture, Lands and Forests, Health, Transport and Public Welfare. This necessitated extensive renovations including removal and erection of partitions, painting, and installation of improved lighting before occupation.

The Department of Public Works area is being extensively altered in order to streamline the operations of the various divisions. The Cafeteria was painted and equipped with new lighting fixtures, a stainless steel canopy installed and a new cashier's counter provided. A new Information Booth was put in the main hallway.

Suites of offices for the Ministers of Mines, Public Works, Public Welfare and Agriculture were renovated or decorated.

For the Department of Lands and Forests, partitions were erected in rooms 6606-7 and 6614, 4410, 2651 and T-704 and acoustic ceilings were installed in rooms 2631-33-35 and 2630-34-36.

#### **7 QUEEN'S PARK CRESCENT**

The roof over the vault at the east end of the building was renewed and repairs made to the rear roof. At the front section floors were repaired and first floor offices painted.

#### **11 QUEEN'S PARK CRESCENT (Treasury Building)**

Shelves and cabinets were made for the Corporation Tax division, the filing room painted, lighting improved and lino floor covering laid. Partitions were erected in rooms 306 and 620 and exterior doors repaired. Special sorting tables and cupboards were installed on the fifth floor. The basement stock room and offices 316, 317, 610, 611, 615 and 616 were painted.

#### **13 & 15 QUEEN'S PARK CRESCENT**

Demolition of these buildings was under way.

#### **18 SURREY PLACE (Diesel Electric Branch, D.P.W.)**

The diesel electric shops were moved to new quarters in Mimico and the first floor and basement assigned to the Department of Highways for storage.

#### **20 SURREY PLACE (Department of Highways Garage)**

New eavestroughing was installed on the south side of the roof and the skylight was repaired and painted. The lunch room was remodelled, a new floor laid in the office and the garage area painted.

#### **21, 23, 25, 27 SURREY PLACE**

Minor maintenance work was carried out.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **74 WELLESLEY STREET**

This building was sold.

### **78 WELLESLEY STREET**

Deteriorated front balconies and fire escapes were renovated and the front was painted.

### **801 BAY STREET**

This building acquired in January 1960, has a frontage of 112 feet on College Street and 105 feet on Bay Street and comprises a basement, 12 floors and penthouse. In the basement there is garage accommodation for 21 cars. The building is served by three passenger elevators.

### **67 COLLEGE STREET**

Alterations consisting of the removal of east and west balconies of the West Annex, rearrangement of fire escapes and changing doors, hardware and glass, were completed.

### **78 GROSVENOR STREET (Athelma Apartments)**

Approximately 500 lineal feet of deteriorated coping was removed from the parapet and brickwork pointed up or replaced. Chimney stacks were rebuilt.

### **206 HURON STREET (Department of Education)**

Storm damaged ceilings and walls were repaired. An office was subdivided and redecorated for the audio visual branch, partitions and shelving installed for the community programmes branch and boxes made for the travelling library branch.

### **210 HURON STREET (Fire Marshal)**

A new washroom was built in the basement. Partitions were erected on the third floor for classroom purposes and folding screens provided on the second floor.



Front view of buildings at Osgoode Hall, Toronto.

### **OSGOODE HALL**

New type windows were provided for the chancery court, the offices of Justices LeBel and Gale were redecorated, and bookcases, cabinets, etc. installed in the new chambers of Justices Walsh and Shatz. Progress was made on re-roofing, repairs to window sills and redecoration of the main corridors. Installation of the new elevator was completed. Extensive alterations are in progress for the Registrar General of the Supreme Court of Ontario.

### **QUEEN AND YORK STREETS (Ontario Government Office Building)**

Painting of the interior, including offices and corridors, is in progress.

### **204 RICHMOND STREET WEST**

Complete renovation of the old Canadian Oil Company six-storey building located at the north-west corner of Simcoe Street, was completed in July 1959, with occupation taking place in August and September.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS  
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**291-295 SHERBOURNE STREET (Ontario Provincial Police Training School)**

Modern washroom fixtures and a new kitchen counter were installed.

**434 UNIVERSITY AVENUE (Department of Reform Institutions)**

The second new elevator was completed.

**8 YORK STREET (Department of Labour)**

Construction of a wing, 132 feet by 48 feet, to the west wing, third floor, was completed. Seventh floor partitions were altered and first floor partitions plastered.

**ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS**

**ELK LAKE**

The main building and garage were reroofed, storm windows were installed in the cell block and additional fire equipment provided to comply with the Fire Marshal's recommendations. A new domestic hot water tank was supplied and a chlorinator installed.

**KINGSTON**

The building was repaired and repainted. Installation of the underground primary electrical service advanced and a site survey for services, roadways, etc. carried forward.

**LINDSAY**

The Prime Minister of Ontario, the Honourable Leslie M. Frost, officially unveiled a bronze plaque to commemorate the opening of this new building on April 27, 1959. He was assisted in these ceremonies by the Hon. Ray Connell, Minister of Public Works.

Construction of the building started in February, 1958, and was carried forward to substantial completion in June 1959, and occupied by the various departments of government to be located there. The structure is in the form of an "E", 250 feet long and 180 feet at the



widest portion. It rises two storeys above grade, with the exception of the three rear wings, and has a basement under the main section. Elevator service is provided. Entrance roads and parking areas were paved and considerable landscaping was accomplished.

## **LONDON**

Department of Labour offices at 353 Richmond Street were redecorated.

## **MATHESON**

Fire prevention equipment was installed.

## **NEW LISKEARD**

An incinerator was installed and minor repairs made to the heating system.

## **RED LAKE**

Driveways, parking area, and landscaping were completed. The work of drilling a new water intake pipe to the lake, including the shallow well pumping unit and chlorinator, was completed as was installation of the new septic tank and disposal field.

# **DEPARTMENT OF PUBLIC WORKS REGIONAL BUILDINGS**

## **HUNTSVILLE (D.P.W. Yard, Stores and Office)**

Alterations to the office and construction of a Storage Building were completed, a loading ramp constructed and the yard paved.

Fabrication of partitions, altar, lectern, cross, confession booths and screens for the Ontario Hospital, Penetanguishene; Court room furniture for Sault Ste. Marie, Espanola and Sudbury; and storage cupboards, work table and tire rack for the Ontario Provincial Police detachment building at Bracebridge were some of the duties at this centre.

## **KEMPTVILLE (D.P.W. Stores Building)**

Started in May, 1958, a building for the storage of equipment and material with a paint shop at the rear, was completed in April 1959. This building is 68 feet by 32 feet, one storey, of brick construction, with steel web joists. Sewers were installed and the site graded and fenced.



Frontal view showing advanced construction of the new "E" Building, Regional Stores Group, Mimico.

### **MIMICO (Regional Stores "D" Building)**

Construction of the fourth building to house general stores, designated "D" building was completed. The building is 102 feet by 242 feet, with an office section at the front 46 feet by 56 feet, and consists of basement and ground floor with access drive ramps into the basement for vehicles to unload.

### **New Regional Stores "E" Building**

Excavation for footings was started on June 1, 1959, and the one storey steel and brick regional stores building, 173 feet by 77 feet, located just east of Building "D", to accomodate electric, diesel and elevator shops, was completed in March 1960.

### **NORTH BAY—Regional Office**

Repairs were made to the heating system and a new sidewalk connecting the front and side entrance constructed.



New Regional Office and Stores Building, McFarlane Lake, Sudbury.

#### **PORT ARTHUR (Garage, Warehouse, Workshop and Office)**

Interior work was completed at the 5-bay garage, workshop and office building in February 1960, and the premises occupied by the engineering branch. The new building is 80 feet by 34 feet and of frame and concrete slab construction.

#### **SUDBURY (McFarlane Lake)**

##### **Office and Stores Building**

The new regional office and stores building is nearing completion. The building was started in August 1958, at McFarlane Lake and is of solid brick, steel and reinforced concrete construction consisting of one single storey heated section containing a 5-bay garage, plumbers, electricians, and carpenters shops, and washrooms. Dimensions are 160 feet three and one half inches by 52 feet one inch. This section is located at right angles to the left of the main two storey Regional Office section, 42 feet six inches by 86 feet nine inches, with part basement containing the boiler room heating equipment.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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A connecting corridor, six feet three inches wide by 24 feet five inches long, located to the right of this office section, also at right angles, leads to a 113 feet by 52 feet 1 inch 7-bay single-storey unheated stores section.

The water supply and distribution system was completed.

Forty duplex weatherproof receptacles for car block heaters were installed in the parking lot adjacent to the 9-bay storage building.

The sewage treatment plant was completed, a transformer to control the chlorinator installed, and permanent lighting placed.

Installation of water mains around the D.P.W. building to sanitary sewage was completed.

Driveway curbs were constructed at the D.P.W. office and stores building area.

## **For The DEPARTMENT OF AGRICULTURE**

### **CAYUGA—Rural Youth Training Centre**

General repairs were carried out and a concrete floor and footing poured in the north section of the mechanics' building. A new water softener was also installed in this building.

### **ONTARIO AGRICULTURAL COLLEGE, GUELPH**

#### **Physical Education Building**

Construction work at the kitchen and dining room areas was completed in March 1960, with kitchen equipment and stainless steel canopy installations, and work on steam piping at the heating coils, completed. The roads and parking areas were gravelled and good advance made on the storm drainage system. This is a two-storey with partial basement structure.

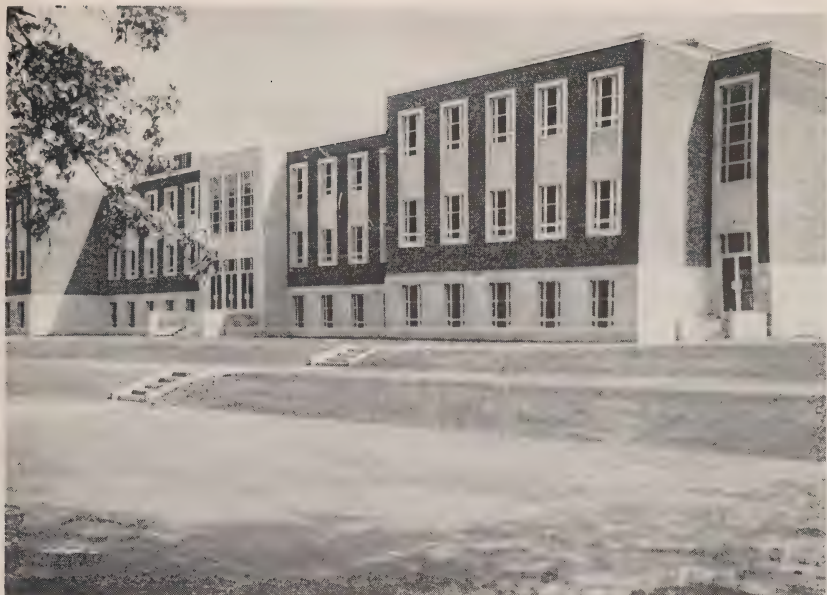
#### **Main Generating and Switchgear Building**

Construction of this building, 88 feet by 67 feet six inches, located on a site north-west of the boiler house and begun in October 1958, progressed. Equipment and connections for diesel engines were substantially completed, new equipment energized and work well advanced on electrical installations. At the O.V.C. area of the building work is under way changing panels, installing the precast concrete floor, and on permanent electrical installations.

#### **Science Buildings Group**

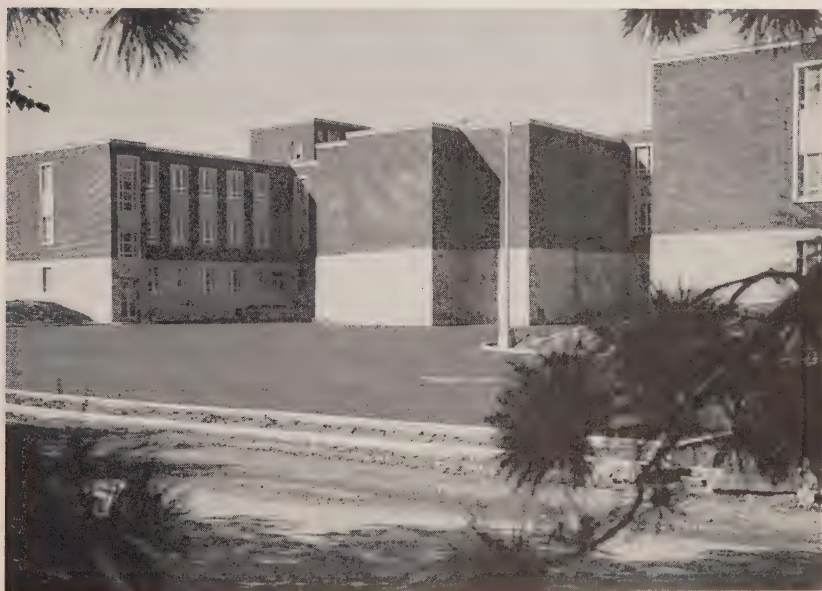
##### **No. 1—Soils Building**

Official opening ceremonies for this building, the first of three main buildings of a new science group, were held on Saturday, June 20, 1959. Officiating at these ceremonies were the Hon. William A. Goodfellow, Minister of Agriculture, and the Hon. Ray Connell, Minister of Public Works. The Soils Building is of three storeys with partial basement and penthouse and will accommodate teaching, research, and testing laboratories, lecture rooms, library and offices. The unit includes adjacent greenhouses. Storm sewer installations were completed, heating coils in the ventilation system altered and electrical changes made.

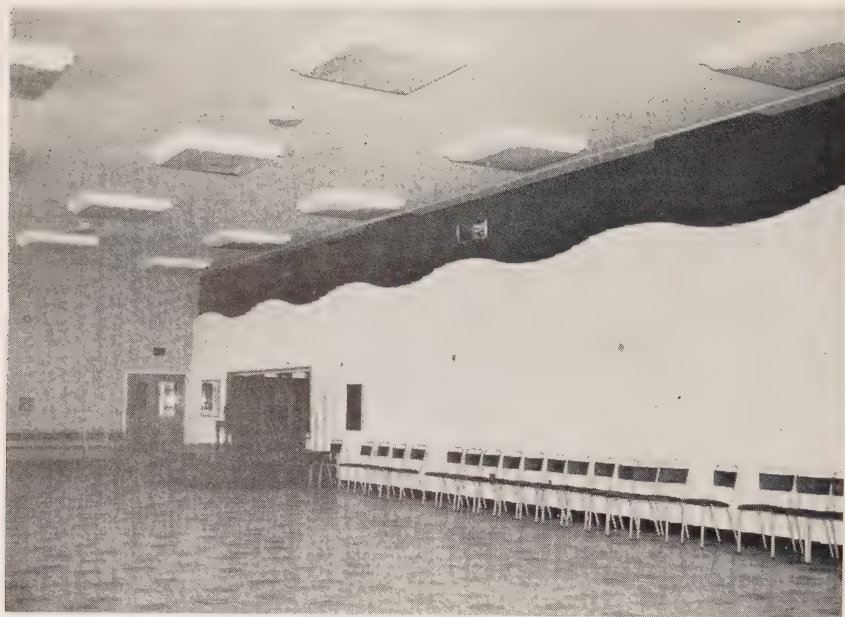


Above: Front view of New Biology Building at O.A.C.

Below: Rear view of New Biology Building at O.A.C., showing parking area.







Sectional view of the dining room, Physical Education Bldg., Ontario Agricultural College, Guelph.

## No. 2—Biology Building

Construction, started in May 1958, on the erection of this structure, a component of the science buildings group, is nearing completion. Interior work progresses with fire protection work continuing. The building is "E" shaped, 200 feet eight inches long and 134 feet nine inches wide, consisting of a basement, ground and first and second floors.

### General

Revisions to deteriorated water lines at the poultry building were completed. Floors at the dairy building were replaced with quarry tile. Machinery was replaced and a new convactor radiator installed.

Installation of a steam heating system to five residences—Jones, Hoad, Kennedy, Brady and Young—is nearing completion.

Installation of new equipment at the Arkell Farm pumphouse is nearing completion.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Work progresses at various locations pulling in cables and making permanent electrical installations.

Installation of eight inch water mains continued with the project completed from the power house to highway No. 6.

Revisions and additions to the water distribution system advanced. "A" section was completed and in progress at section "B".

The greenhouse at the botany building was rehabilitated.

Renovation and cleaning of palm house was completed.

Installation of sanitary sewers was completed.

A new steel stairway was erected at the horticultural building.

### ONTARIO VETERINARY COLLEGE, GUELPH

#### Medical Surgical Building

Official opening ceremonies were held on Monday, July 20, 1959, when the Hon. Ray Connell, Minister of Public Works, unveiled a bronze plaque and the Hon. William A. Goodfellow, Minister of Agriculture, declared the building officially opened.

It is a one storey building, connected to and running south and west from the present college building. The main wing is 505 feet long, and the cross wing 348 feet in length. X-ray equipment and air conditioning units were installed, and sodding of lawns and paving completed.

#### Piggery Building

Erection of this building was substantially completed in October 1959. Construction started in August 1958. It is a one storey structure of concrete block and wooden and metal roof. The design is in the form of a "T" with the main central core about 100 feet long and 27 feet six inches wide, and flanked by two wings, each 90 feet 10 inches by 36 feet six inches.

#### Main Building

Alterations to the anatomy laboratory, located at the rear of the main building, to serve as a lecture room were completed.

#### General

Installation of steam and return piping to the Abattoir building was substantially completed.



Front view of new Regional Veterinary Laboratory, Kemptville Agricultural School.

Alterations at the old medical surgical building to provide two pathology offices, a dark room and a cloak room were completed.

Installation of a fire alarm system in the old building is in progress.

A playground and equipment was provided at the child study centre at MacDonald Institute.

Renewal of steam and return piping, underground, from building 405 to the old piggery was completed.

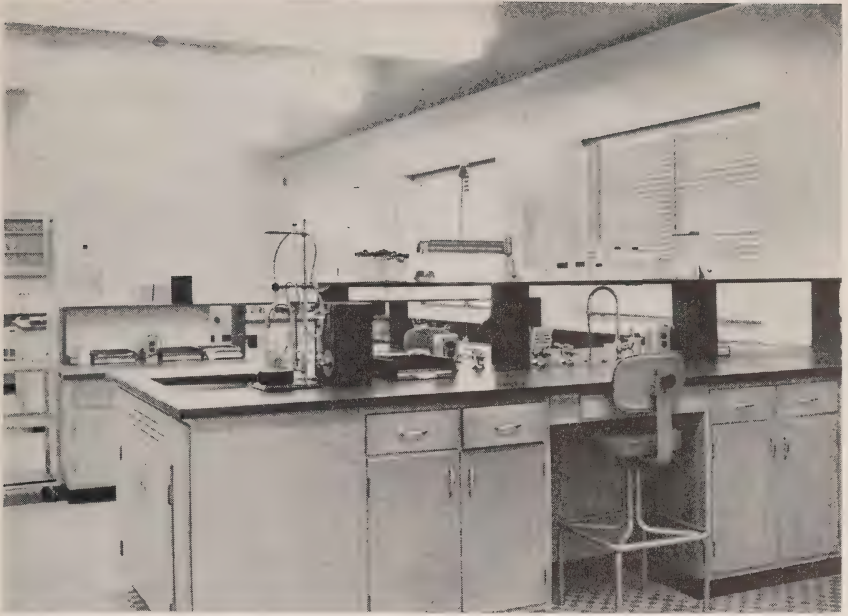
Steam kettles, conveyors and other equipment was installed at the extensions to the cannery.

## KEMPTVILLE AGRICULTURAL SCHOOL

### Kitchen

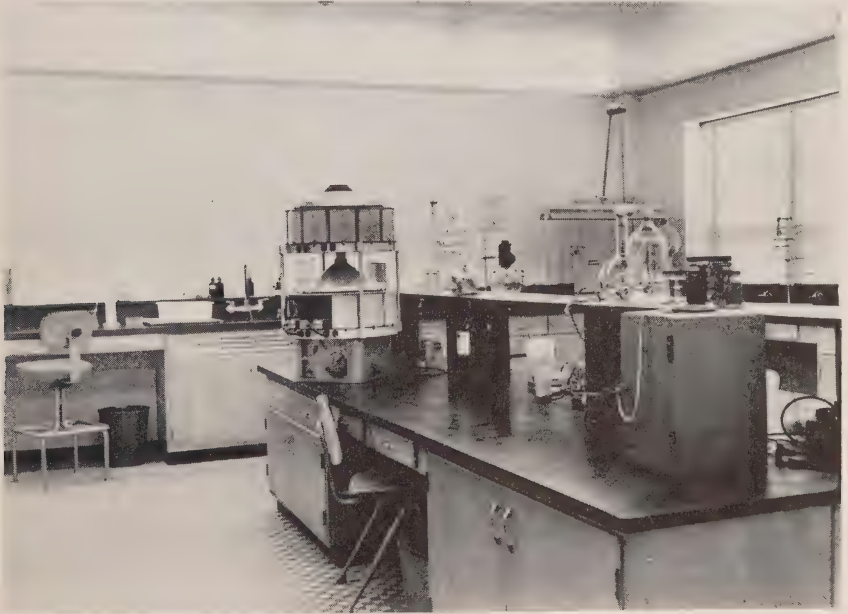
Construction work was completed, all equipment installed and the kitchen placed in operation. The new kitchen consists of basement and first floor and is about 63 feet by 40 feet in size.





Above: View of the Mastitis Laboratory, Regional Veterinary Laboratory, Kemptville Agricultural School.

Below: The diagnostic bacteriology and histopathology laboratory, New Regional Veterinary Laboratory, Kemptville Agricultural School.





View of construction progress, Students' Residence for Girls, Kemptville.

### **Regional Veterinary Laboratory**

This project was substantially completed and occupied in December 1959. Built to serve the eastern part of the Province the building is similar in layout and construction to the new poultry building. It is of two storeys and basement, about 86 feet by 52 feet, and of brick, structural tile and concrete construction. Location is between the existing government building and the engineering building.

### **Students' Residence For Girls**

Excavation for the new residence began in February 1960. The building will be about 152 feet by 40 feet, of brick and masonry construction, fire resistant throughout, and will accommodate 40 students. It is located 100 feet west of the existing students' residence and will consist of a basement and first and second floors. There will be a classroom, 23 feet by 40 feet, on each floor, 20 double bedrooms, utility rooms, and a room for the house mother. Television and laundry rooms are provided in the basement.

## **NEW LISKEARD—Demonstration Farm**

### **Farm Buildings**

Erection of a number of new farm buildings is nearing completion. The work included a sheep barn, main barn, henhouse, single garage, trussed pole barn, silo and feed hopper, and a double car garage.

### **General**

Five old grain bins were relocated and installed in the cow barn. Tests were made on footings and foundation walls at the pole barn. A new asphalt shingle roof was installed on the farm residence. The old barn was dismantled. The concrete foundation of the weigh scales was removed, the excavation filled with gravel and the scales turned over to the superintendent.

## **RIDGETOWN—Western Ontario Agricultural School and Experimental Farm**

### **Animal Husbandry and Abattoir Building**

Started in June 1958, this building was substantially completed in March 1960. Some interior work including installation of refrigeration, and special equipment and the fire alarm system remain to be finished. The new building is single storey, 124 feet by 76 feet, of fire resistant construction, with roof of open web steel joist of 2 inches concrete with insulation, and 20 year bonded roof.

### **Field Husbandry Building**

Excavation began on June 10, 1959. Erection of exterior walls was completed with work under way on raising interior partitions and work of the mechanical trades. The project is about 50 per cent completed.

The structure is to be of masonry and fire resistant construction, one and a half storey split level with partial basement, and measures 199 feet by 25 feet six inches and 55 feet by 33 feet. A concrete ramp from the main floor gives access to the basement. When completed the building will contain laboratory and machine storage rooms, seed storage, seed vaults, seed drying and seed processing rooms, growth channels, soils laboratory, cold storage rooms, offices and lecture room.





View showing progress of Field Husbandry Building, Ridgetown, Ont.

### General

The new sewage disposal plant was completed and placed in operation.

Repair work and extension of the lighting system to all buildings was completed. Work was completed on enlarging the gas mains.

The electrical system was installed in the new greenhouse.

All work was completed in connection with the new water service installation from the town.

Renovations at the veterinary laboratory were completed.

Installation of the thermo heat control valve at Steckley hall dormitory was completed.

### SAULT STE MARIE—Strathclair Farm

Electrical services were renovated and improved. A bathroom was installed in the farm cottage and the septic tank and tile bed completed.

## **VINELAND—Horticultural Experiment Station**

### **Implement Shed with Attached Unheated Garage**

This building was completed and occupied on April 1, 1959. Construction of concrete sidewalks, gravel driveway and parking area was completed. The septic tank disposal bed was also completed.

### **General**

A new communication system was installed in the old administration building.

At the Rittenhouse grape farm a six inch water supply main was installed running from Highway No. 8 down Cherry Avenue to the Horticultural Experiment Station staff house for about 2,200 feet, with a one and one quarter inch service to the staff house and implement shed.

The packing house and implement shed were painted.

A new sewer line was installed leading from the sterilizer in the new administration building to a manhole in the front lawn in order to eliminate an acid condition caused by sewage disposal.

Building No. 2 was provided with a new concrete stoop, steps and sidewalk extension.

**For The**  
**DEPARTMENT OF THE ATTORNEY GENERAL**

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**ONTARIO PROVINCIAL POLICE BUILDINGS**

**ARMSTRONG**

Exterior painting, deferred from last spring, was completed.

**ATIKOKAN**

The residence chimney was repaired.

**BANCROFT**

The exterior of the detachment building was painted.

**BELLEVILLE**

Interiors of housing units Nos. 5 and 6 were decorated.

**BLIND RIVER**

A chain link fence was erected around the property of the transmitter building, and the fence painted.

**BRACEBRIDGE**

A section of the old detachment building, formerly occupied by the Ontario Provincial Police, was renovated to provide suitable office space for the probation and welfare officers.

The sanitary line at the new detachment building was rearranged.

**CHATHAM—District Headquarters**

The boiler room was painted.

**DRYDEN**

Canopies were erected at the front and rear entrances of both residences. Additional insulation was placed on the roof and at the top of basement walls, roof ventilators provided and cornices of both houses renewed.

**EAR FALLS**

Installation of a fire alarm system and fire fighting equipment was completed at this new detachment building which was completed and occupied in November, 1958.





Rear view showing progress of construction of new Ontario Provincial Police Detachment building, Espanola.

## **EMO**

Electrical wiring was renewed and new fixtures installed at the detachment building.

## **ENGLEHART**

The roof of the detachment building was repaired and the chimney repaired and repointed. Plaster, damaged by a leak in the roof, was renewed. New washroom facilities were provided and the room painted.

## **ESPANOLA**

Construction of a medium type detachment building began at this site in September 1959. Work is continuing on this project with brickwork and plastering well advanced; hardwood floors, trim and cupboard installations completed; the concrete floor in the basement of the residence poured and forms for concrete ceiling slab in the cells section completed ready for concrete. Electrical, heating and plumbing installations are in progress.

The overall measurements are about 156 feet by 34 feet. It is a single-storey structure and consists of living quarters, general office, court room and magistrate's office with adjoining washrooms. A 3-car garage of solid brick construction is also included in the project.

Construction of four bungalows with garages on lots 692, 698, 701 and 702, started in April 1959, was completed and the houses turned over to the attorney general's department on December 21, 1959.

#### **FOLEYET**

A new sewage disposal bed was constructed and water pumping equipment installed to serve the needs of the detachment building and residence.

#### **GOGAMA**

Plumbing and heating installations were repaired.

#### **HEARST**

The old wooden flagpole was removed and replaced with a new 30 foot steel pole at the detachment building.

#### **HORNEPAYNE**

The exterior of the detachment building was painted.

#### **IGNACE**

A new pumphouse unit was installed on the site of the new well drilled on the property the previous year. Repairs were made to the chimney and roof at the separate residence.

#### **KENORA**

Erection of steel sheet piling, necessary to protect the site of the proposed new boathouse, is well advanced.

#### **KILLALOE**

The main driveway at the detachment building was paved.

#### **KIRKLAND LAKE**

On May 25, 1959, construction of a type "C" modified detachment building was started. Good progress was made and the building was completed and turned over to the Ontario Provincial Police on January 26, 1960. The new building is of two storeys with basement, of brick and block construction, about 39 feet by 85 feet, and has a 3-bay brick garage.



Above: View of the new detachment building, Kirkland Lake.

Below: View of radio room, O.P.P., Kirkland Lake.





## **LINDSAY**

Begun in February 1958, the "L" shaped police detachment building was completed and occupied by Ontario Provincial Police personnel on June 22, 1959. The building provides offices, radio room, cell blocks, dining room and an eight-car garage.

## **MATHESON**

A motorized valve and controls were installed on the heating system and minor repairs made to storm windows.

## **MINAKI**

An access road leading to the detachment building was constructed, the exterior of the building painted, minor repairs carried out and repairs made to the disposal field. A circulating pump was installed on the heating system.

## **NIPIGON**

Garage doors were repainted and a storage room repainted and a storage room provided in the basement of the detachment building.

## **NORTH BAY—District Headquarters**

Drainage lines were regraded, a new basin trap provided and minor repairs made to the septic disposal bed. Washroom facilities were installed. Minor repairs were made to the washroom at the Reynolds Street residence. Stone piers at the boathouse were renovated.

## **PEMBROKE**

Eavestroughs and window sills at the detachment building were repaired and the exterior painted.

## **PICTON**

Repairs to eavestroughing and interior redecoration of the housing unit at 44½ Paul Street were made.

## **PORT ARTHUR**

Bathrooms in all four residences were refinished and re-decorated.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### RED LAKE

Construction of a 4-car fire resistant garage building on the site of the former Red Lake supply store building was completed and the interior and exterior painted. Work on the parking area, drive-ways and retaining walls at the property line progressed.

### SCHREIBER

The interior of the detachment building was redecorated and the exterior painted.

### SHABAQUA

Erection of the standard plan detachment building, started in March 1958, was completed and the building occupied on November 14, 1959. The building contains living quarters, office and cells, and a one-car garage.

### STURGEON FALLS

Work of a minor nature was carried out at this new detachment building. A larger capacity unit heater was installed, the circulating pump on the domestic hot water system repaired and the floor drain from the garage provided with an extension.

### TEMAGAMI

Combination screen and storm doors were installed on the front entrance of the detachment building's living quarters and at the entrance of the living quarters above the boathouse. Septic tanks at both the detachment building and boathouse were cleaned out, a new field bed laid at the boathouse and a steel railing installed to fence off and protect the field bed area.

### WATERDOWN

The vicinity of the new sewage disposal system was graded and sodded.

### WHITBY

Construction of a new detachment building, similar in design to that erected at Port Credit, was completed with official occupation

taking place November 23, 1959. Preliminary work started on this building in February 1959. It is one-storey with partial basement, about 127 feet by 36 feet, of concrete block and brick veneer construction, with a six-car garage, 59 feet by 26 feet. The main floor contains the administrative section, general offices, radio room and cell block. The basement consists of a boiler room, storage, recreation, shower facilities, lunch and lecture rooms.

## **WOODSTOCK**

The thermostat on the detachment building's main floor was relocated in the basement.

# **DISTRICT BUILDINGS**

## **ALGOMA-MANITOULIN**

### **Gore Bay**

Installation of a new sanitary disposal system progresses with the septic tank installation well advanced.

## **COCHRANE NORTH**

### **Cochrane—Court House**

Plywood and linoleum floors were laid, a movable partition erected and steam lines altered to allow for the installation of a new steel stairway to replace the old spiral stairway. Interior painting of all floors was completed and the exterior also painted.

## **KENORA**

### **Kenora—Court House**

A new domestic hot water heater was installed.

## **MUSKOKA**

### **Bracebridge—Court House**

Improvements were made to washroom facilities in the judge's retiring room, and the stone retaining wall repaired.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **NIPISSING**

#### **North Bay—Court House**

New concrete bumpers were installed at the parking area. Renovations included replacement of deteriorated galvanized water lines in three ground floor washrooms with copper water lines, installation of a new oil pump on the oil fired heating unit and minor plumbing repairs. A floor type duplex receptacle for dictaphone purposes was installed in the judge's library.

### **NIPISSING**

#### **North Bay—New Registry Office**

The rear entrance door was replaced, windows recaulked and repairs made to plumbing and lighting fixtures.

### **NIPISSING**

#### **North Bay—Juvenile Court House**

Alteration and renovation work for this building, formerly the old registry office, was completed in December 1959. Work entailed installation of a new asphalt shingle roof, removal of steel doors and windows, relocation of the front entrance door and window, construction of new front entrance steps and walk from the rear entrance to the parking lot, rehabilitation of washrooms, installation of new fixtures, and laying of new linoleum floors. Both the interior and exterior were painted.

### **PARRY SOUND**

#### **Parry Sound—Court House**

A new oil burner was installed.

### **SAULT STE. MARIE**

#### **Sault Ste. Marie—Court House**

Substantial renovation work was completed. This comprised repairs to floors, relocation of offices, erection of new brick and tile partitions to form washrooms and dressing rooms, installation of conduit, considerable plastering to walls and ceilings and plumbing and



Above: View showing the southeast elevation of the new Registry Office, Sault Ste. Marie.

Below: View showing front elevation of Sudbury Registry Office, main extension and extension No. 2 of Court House. Main section renovated by D.P.W. forces.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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heating installations. Repairs to office and main court room equipment and installation of new equipment in the court room and Judge Reynolds' office were in progress.

Installation of storm sewers, paving, and related works at the rear of the court house and registry buildings advanced with landscaping of the grounds fronting Queen Street East completed.

### **SAULT STE. MARIE**

#### **Sault Ste. Marie—Registry and Land Titles Office**

This building was officially opened on November 5, 1958. Furniture was installed and all concrete sidewalks around and into the building were finished including steps and wrought iron handrails. All drainage lines, catch basins and concrete curbs were installed, the grounds graded, levelled and sodded, and the premises painted.

### **SUDBURY**

#### **Sudbury—Court House**

Major renovations to the main section of the district court house started in July 1959. They consisted of the application of a complete new stone and brick front facing, including new aluminum windows and entrance door, to match the new registry office and extension No. 2 fronts. Work on the east and west elevation exterior walls consisted mainly of replacements to existing windows. Other work comprised replacement of the existing asphalt shingle roof with a flat 2½" concrete and built-up roof and interior alterations to include new terrazzo and tile floor finishes, marble front entrance, lobby renovations, and redecoration of all other areas. During alterations personnel from these quarters was accommodated in extensions 1 and 2. Work on this project is about 50 per cent completed and continuing.

### **SUDBURY**

#### **Sudbury—Court House (Extension No. 1)**

Reported completed last year, all of this section of the court-house was occupied by July 1959. Installation of furniture for the various departments was completed and the telephone service transferred to a new location with the main service installed in the electrical room.



## **SUDBURY**

### **Sudbury—Court House (Extension No. 1B)**

Exterior work on this extension consisting of a new stair tower at the east side of the Court House was completed last year. Interior work, including mechanical installations, was completed.

## **SUDBURY**

### **Sudbury—Court House (Extension No. 1C)**

This work comprised the construction of an underground corridor leading from the court house to the district jail. Plastering and painting of metal doors were completed and ceiling lights installed. Work was also completed on the emergency exit platform and steps.

## **SUDBURY**

### **Sudbury—Court House (Extension No. 2)**

Started in March 1958 as the second stage of construction to increase the facilities of the existing court house, work was completed in August 1959, and the extension fully occupied by court house officials and their staffs.

## **SUDBURY**

### **Sudbury—Registry Office**

Sidewalks, curbs and walk steps leading to the north-east and north-west entrances were completed along with grading at the front of the building.

## **TEMISKAMING**

### **Haileybury—Court House**

A new roof was laid and the parapet wall renewed. Other repair work included laying of new linoleum, construction of counters and painting, replacement of obsolete fire reels and washroom facilities, and repairs to the ash hoist and hot water tank.

## **TEMISKAMING**

### **Haileybury—Registry Office**

Repairs to the entrance walk and steps were completed and roofs at the side and rear porch entrances reconditioned and painted.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **FIRE MARSHAL**

#### **Gravenhurst Fire College**

Renovation and reconstruction of several buildings to house the Ontario Fire College was completed. This work began in August 1957, and includes the Lindenfield residence, Murray house, Fullford staff quarters, boiler house, administration building, lecture hall, laundry building, fire test building, 4-storey training tower, and installation of water services.

## **For The DEPARTMENT OF EDUCATION**

### **ONTARIO SCHOOL FOR THE DEAF, BELLEVILLE**

#### **Farm Machinery Storage Building**

A building 31 feet eight inches by 87 feet eight inches for storing farm machinery, was constructed to replace several dilapidated farm buildings.

Work completed comprised: landscaping of the grounds and paving of the roads surrounding the various buildings; repairing and repainting the main building; substantial completion of the tunnel leading from the basement to the auditorium in the main building; alterations to the basement to provide a carpentry shop for teaching purposes; installation of the fire alarm system; installation of acoustic tile ceilings in five classrooms of the main building; conversion of the old fire hall into a garage; eavestroughing repairs to the Wilson and Reid residences; redecoration of the boys' residence; installation of thermostatic radiator controls to all rooms in the main building; repairs and redecoration of staff residences and refitting of all windows in the senior girls' residence. Nearing completion was work on repairs to the coal and ash handling equipment at the boiler house; installation of the TV antenna; renovation of steam services to various buildings and repairs to ventilation in classrooms.

### **ONTARIO SCHOOL FOR THE BLIND, BRANTFORD**

#### **New Assembly Hall**

Actual construction of this building, planned to provide the necessary facilities for teaching all branches of music to blind children, started in September 1959, and at present is about 50 per cent completed.

The central feature of this building is an assembly hall large enough to seat all students at the school which will be used every day for assembly. There will be a well equipped stage for both choral and dramatic work and ample space for the large school orchestra. The design makes provision for a pipe organ, scenery workroom and storage, and costume storage.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Adjacent to the assembly hall two projecting wings will provide eight practice rooms for boys and eight for girls, along with teaching studios for voice, piano, violin and choral work. Instrument storage rooms and lavatories will be located centrally between the two wings. Provision has also been made for the teaching of piano tuning. Six tuning rooms with a large workroom, and a teaching studio, are conveniently grouped. All practice rooms and studios have been designed to prevent sound transmission, and will be provided with counter and storage space for music, equipment, and teaching aids.

A playroom equipped especially for blind children is located at the north end of the assembly hall. An instructor's office and a storage room for equipment are provided, and provision has been made in the planning for a future swimming pool with the necessary equipment, dressing room and shower room areas.

The building is a one-storey structure of brick bearing wall construction, the first floor being concrete slab and beam construction providing pipe space and mechanical equipment rooms at basement level. Roofs of the auditorium and playroom are wood decks on fire-proofed structural steel beams. All other roofs are concrete slab on steel joists and all roofs are insulated.

With the exception of the auditorium all rooms are outside rooms provided with ample windows for light and ventilation. The auditorium and playroom have mechanical ventilation. Heating is generally by means of recessed hot water convector radiation and special care has been given to adequate artificial lighting throughout the building.

### **Power House**

The reconstruction programme is substantially completed with the new boilers in operation and all equipment operating satisfactorily. Work at the coal bunker is well advanced with excavation for footing of the incinerator in progress.

### **General**

Renovation of the fire alarm system in the main building is in progress. Replacement of the main feeder and underground services continues. Slate roofs were replaced at the main building, principal's residence and the gate house. Obsolete radiators were replaced and



Above: Lakeshore Teachers' College, New Toronto.

Below: Main Entrance, Lakeshore Teachers' College, New Toronto.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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changes made to piping and connections. Plumbing alterations at the boys' dormitory and renewal of hot and cold domestic water piping at the girls' dormitory are nearing completion.

### **HAILEYBURY—Provincial Institute of Mining (Addition)**

Erection of a two storey and basement addition, and rearrangement of the accommodation in the existing building to conform to new plans for an enlarged institute, were completed. The new addition is about 42 feet by 40 feet, of brick and concrete construction on structural steel frame, with the exterior design and materials conforming to the architecture of the existing building.

### **INSTITUTE OF TECHNOLOGY, HAMILTON**

Various looms and machinery were dismantled and removed in preparation for extensive classroom alterations which were substantially completed in February 1960. Classes have been held since March 1, 1960.

### **TEACHERS' COLLEGE, HAMILTON—Addition**

Work started in February 1960, on the construction of an addition to the teachers' college. The structure, about 116 feet by 96 feet, will be situated on the west side of the existing building and will be of two storeys with heating space, of brick and tile construction and stone facing to match the present building. The first floor will contain four classrooms, the cafeteria and storage and service rooms. The second floor will comprise five classrooms, three offices, and washroom and service rooms.

Construction of the pier and wall footings and exterior basement walls was completed with interior grading filled to sub grade elevations.

### **LAKESHORE TEACHERS' COLLEGE, NEW TORONTO**

Construction of this college was structurally completed and the building turned over to the Department of Public Works in July, 1959. The Department of Education occupied the premises in September with classes commencing September 8, 1959. The new college, an "L" shaped structure, is sited on the south side of Lakeshore Drive at Twenty-Third Street in New Toronto, adjoining the Ontario Hospital.





Above: Main lobby at Lakeshore Teachers' College, New Toronto.

Below: Auditorium at Lakeshore Teachers' College, New Toronto.



REPORT OF THE DEPARTMENT OF PUBLIC WORKS  
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**TEACHERS' COLLEGE, NORTH BAY**

Installation of the new fire escape was substantially completed with steel frames and doors installed and roughing in of wire for exit fixtures, and plastering and painting completed.

New plumbing fixtures were installed in the ladies' washroom.

**EASTERN ONTARIO SCHOOL OF TECHNOLOGY, OTTAWA**

All work on the renovation of five additional classrooms was completed.

**TEACHERS' COLLEGE, OTTAWA**

Plaster repairs and interior painting were completed and all classrooms are in use.

**TEACHERS' COLLEGE, PORT ARTHUR—New**

Tenders were called in February, 1960, for the construction of a new teachers' college to be located at Lyon Avenue and Oliver Road in Port Arthur.

The building will be more or less in the shape of a cross. The central part running east and west will comprise classrooms, lecture rooms, etc., and will be flanked on the north side by the auditorium and on the south side by the gymnasium. The kitchen and cafeteria section will be located on the west side. The entire structure will be two storeys with the exception of the one-storey cafeteria. Construction will be of brick and designed with brick facing to all elevations; the roof will be of concrete and flat throughout, and floors will be partly terrazzo and partly vinyl asbestos tile.

The first floor will contain lecture and science rooms, principal's office and staff rooms, including rooms for the order of religious sisters, the cafeteria and kitchen area, and servery and storage rooms. The large auditorium, with stage, on the north side and the large gymnasium on the south side rise two storeys.

The second floor will contain classrooms, lecture rooms, rooms for art and home economics, library and students' common room.



Above: Main lobby at Ryerson Institute, Toronto.

Below: Radio Room, Ryerson Institute, Toronto.





## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **TEACHERS' COLLEGE, STRATFORD**

Repairs were made to broken plaster in the washing machine room and laundry room. The laundry skylight was renovated and the intercom system repaired.

### **INSTITUTE OF TRADES, 21 NASSAU STREET, TORONTO**

Renovation and strengthening of three buildings of the institute, including extensive ventilation work, was substantially completed.

### **RYERSON INSTITUTE OF TECHNOLOGY, TORONTO**

#### **Unit No. 2—New Building Group**

All work on this project with the exception of exterior grading, sodding and paving, was completed in December 1959, ready for occupancy.

Earlier in the year on Tuesday, May 12, official corner stone laying ceremonies were conducted with the Chief Justice of Ontario, the Hon. Dana Porter, the Hon. William J. Dunlop, Minister of Education, and the Hon. Ray Connell, Minister of Public Works, officiating.

### **TEACHERS' COLLEGE, TORONTO (Carlaw Avenue)**

The auditorium stage was repaired and cupboards installed in various classrooms.

### **WESTERN ONTARIO INSTITUTE OF TECHNOLOGY, WINDSOR**

On August 14, 1959, construction of two one-storey prefabricated buildings, 24 feet by 93 feet nine inches, began, and the project was completed and the buildings occupied on September 30, 1959. The buildings are of wooden construction with metal siding and gyproc walls. One of the additions is situated north and the other south of the existing institute of technology, and both are connected to it by corridors.

#### **General**

The heating installation was completed.

# Ontario Department of Public Works

## New Hospital Bed Accommodation

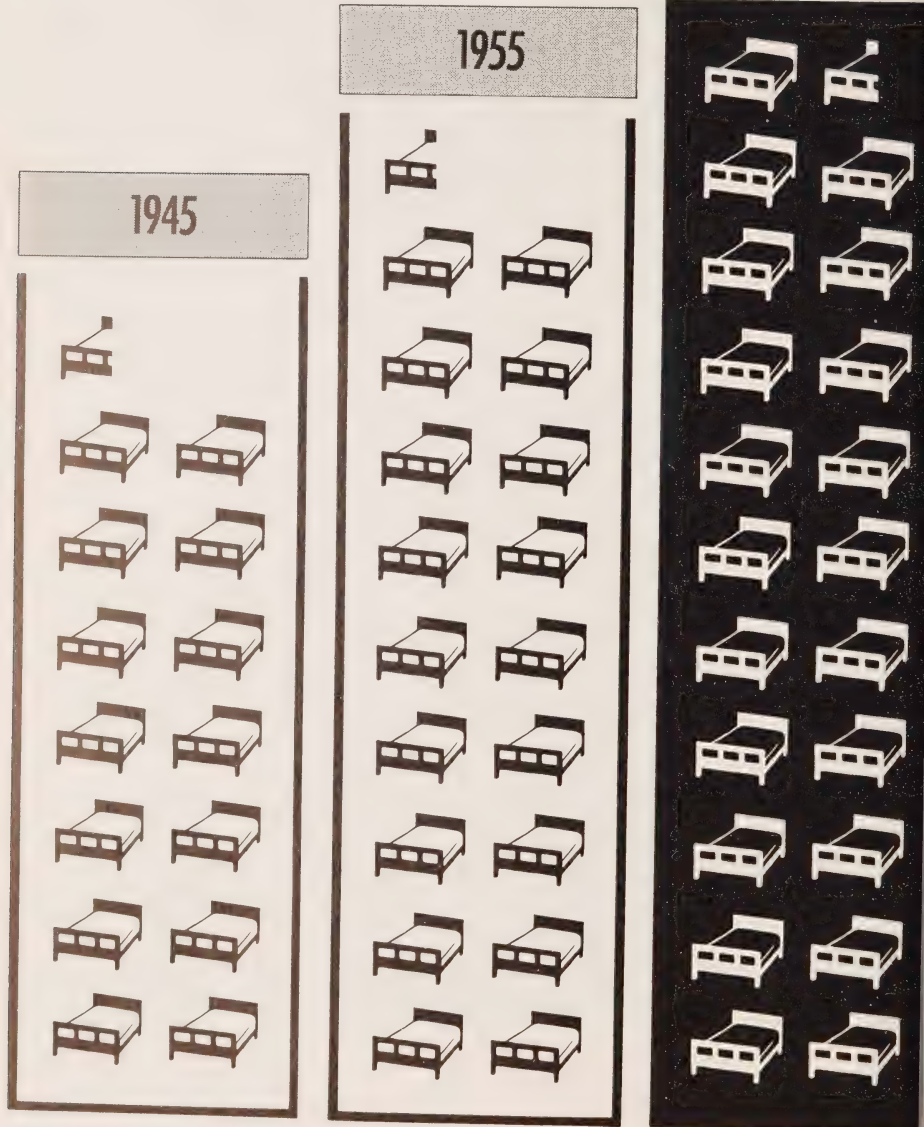
provided since 1945

 = 1000 PATIENT BEDS

1960

1955

1945



## **For The**

### **DEPARTMENT OF HEALTH**

#### **ONTARIO HOSPITAL, AURORA**

Parapet walls were rebuilt.

#### **ONTARIO HOSPITAL, BROCKVILLE**

##### **Elmgrove Dormitory Addition**

Work, which began in May 1958, on the complete renovation and fireproofing of the Elmgrove dormitory addition, and the enlargement of the structure by the addition of new wings at the east and west ends of the existing dormitory to provide accommodation for 84 beds, is nearing completion.

##### **Farm Buildings**

A silo at Falcon Acres was rebuilt and a new silo for the Staff Farm substantially completed.

##### **General**

The exterior of the main building was painted. The badly deteriorated roof of the administration building was replaced with a tar and gravel bonded roof.

Installation of the fire alarm system to various buildings is nearing completion.

Work was completed on the connecting tunnels. Emergency repairs to roads were about 75 per cent completed.

Construction of a new concrete foundation and concrete block work was undertaken to overcome deterioration of the south wall at the skating rink.

#### **PSYCHIATRIC RESEARCH INSTITUTE FOR CHILDREN, BYRON**

Major renovation work is in progress at the Pratten Pavilion of the former Adam Beck Sanatorium, located at the village of Byron about six miles south-west of London, which was recently acquired to serve as a psychiatric research institute for children. The building is of two storeys and basement and of brick construction.



The first stage of renovation, now completed, comprised work in 19 offices of the first floor of the north wing. The area was repainted, fluorescent lighting installed and a counter top with stainless steel sink made for the examining room. Installation of furnishings and equipment is under way.

## **ONTARIO HOSPITAL TRAINING SCHOOL (CEDAR SPRINGS), CHATHAM**

Construction work on the first stage of development for the new hospital, which will accommodate 1,296 retarded children patients when completed, progressed as follows:

### **Pavilion M-1**

Brick, stonework and roofing completed; windows glazed; glass block laid; partitions erected on first and second floors; basement partitions erected and floors topped; glazing completed; terrazzo work nearing completion with grinding in progress, and plumbing tested.

### **Pavilion M-2**

Brickwork erected to roof; roof slab poured and stone coping being set; first floor windows glazed; windows being installed on second floor; door frames being set and partitions laid out; glaze work well advanced with work in progress on installation of radiator cabinets.

### **Pavilion M-3**

Brickwork erected to roof with south half of roof formed and north half being formed; first floor windows glazed; door frames set on the first floor and basement; partitions erected on first floor and work in progress on glaze and radiator installations.

### **M.B.**

Brickwork raised sill high on second floor, windows glazed, partitions up on the first floor and basement floor topped.

### **MC-1**

Brickwork to roof, roof poured, and stone coping set. Door frames were set, partition work well advanced and first floor windows glazed.



View showing construction progress, section of buildings at Ontario Hospital, Cedar Springs.

## **MC-2**

Erection of brickwork to roof, roof poured; door frames set and partitions laid out on first floor; window frames installed and basement partitions up and floor topped.

## **Pavilion F-1**

Brick and stonework completed, roof laid, windows glazed, door frames set and partitions erected. Radiator cabinets and radiators installed, pipe covering and glazing finished. Terrazzo bases were laid in the playrooms and terrazzo stripping completed on first and second floors.

## **Pavilion F-2**

Laying exterior brick walls of second floor under way with roof columns poured. First floor windows were glazed, first floor partitions about 50 per cent erected with glazing well advanced.

## **Pavilion F-3**

Brickwork has reached the second floor with slab poured. Work progresses on installation of first floor windows and radiator cabinets. Floors in the basement were topped and door frames set.



Above: Sewage Treatment Plant—general view from embankment by highway, Ontario Hospital, Cedar Springs.

Below: A general view showing progress of construction at sewage plant at Ontario Hospital, Cedar Springs.





## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **F.B.**

Laying of brick was carried to second floor with slab poured. Basement floors were topped.

### **F.C.-1**

Brick raised to roof height and roof poured. Basement floors were topped and partitions erected with setting of windows in progress.

### **F.C.-2**

Brickwork to second floor and slab poured; basement floor topped and partitions erected.

### **Dining Halls**

Brickwork, roofing and glazing were completed, hollow tile work nearing completion and all radiator cabinets set and radiators installed.

### **Vocational Training Building**

First floor slab was poured, structural steel erected, bar joists set, brickwork about 30 per cent completed and second floor forms started.

### **Garage**

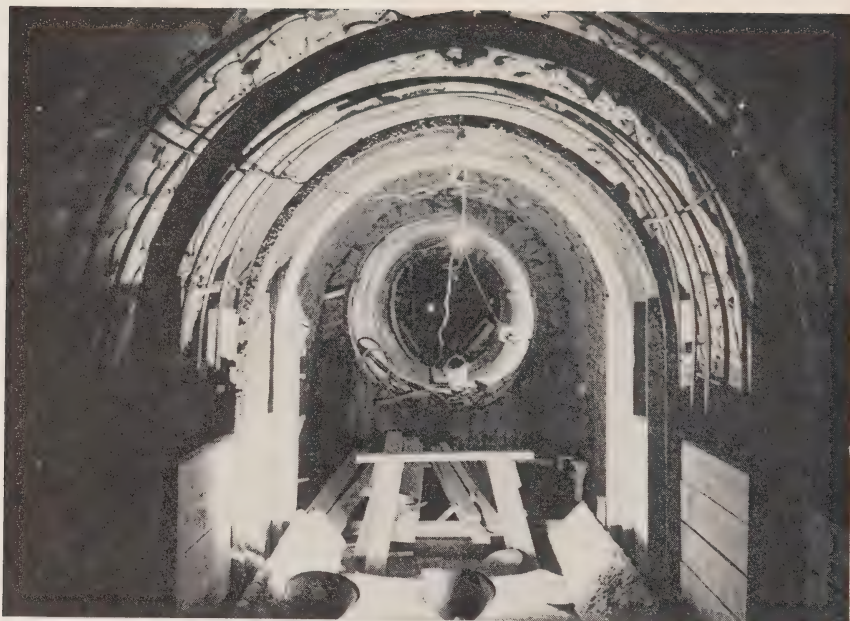
Brought to completion were brick and stonework, floors, door installations, window glazing and roughing in of plumbing and heating.

### **Laundry Building**

Exterior brick and stonework and roofing were completed; windows installed and glazed; floor slabs poured; interior partitions well advanced; glaze tile work and roughing in of ventilation under way. Plumbing mains and drains were installed and tanks were being installed in the basement.

### **Medical Surgical Building**

Progress on this building saw brickwork raised to roof centre wing, the north half of roof slab formed, low wing roofs laid and flashing in progress. Raising of first floor partitions were well advanced, door frames set on the first, second and third floors and windows glazed on the first floor and under way on the second floor. Placing of radiator cabinets was completed on the first floor and nearing completion on the second floor.



Above: Interior view of service tunnel under construction, Cedar Springs Hospital.

Below: Low level pumphouse and breakwater at Ontario Hospital, Cedar Springs.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **Power House**

Construction on this building is well advanced with brickwork, roofing completed, windows installed and glazed and three boilers erected. The coal and ash handling systems were installed and chimney stack completed. The diesel room was poured, bases placed, installation of piping and equipment about 80 per cent completed and work under way on installation of diesel control cabinets. Cables were pulled.

### **Service and Kitchen Building**

Brickwork, roofing, window glazing, setting of door frames, erection of partitions comprised the work completed in this section. Radiator cabinets were all set with radiator installations nearing completion.

### **Trades Building**

Exterior brickwork was completed and roofing laid. Interior partitions, glazing and window installations were completed, heating nearing completion with plumbing roughed in and pipe covering finished.

### **Tunnels**

The tunnels were completed.

### **General**

A pump was set up at the lake for delivery of water to the elevated water tank which was tested and accepted. Considerable work was done on temporary road construction.

## **ONTARIO HOSPITAL, COBOURG**

### **Extension to Kitchen and Dining Hall Building**

Construction was substantially completed on the extension to the kitchen and dining hall building to augment the facilities at this hospital. The new addition, 43' 7" by 32' 6", is two storeys and basement, of brick and concrete construction, and steel and concrete floors. Installation of equipment was in progress and essentially completed at the second floor kitchen.

### **Transformer Building**

The major part of equipment was installed at the new one-storey transformer addition for the diesel standby power unit.



## **General**

Improvements to the heating distribution system, rewiring, and renewal of hot and cold water lines were carried out at the main building and considerable work was done on sidewalk repairs.

Fireproofing of the existing stair hall located between the living quarters and new kitchen and dining rooms is in progress.

## **ONTARIO HOSPITAL, HAMILTON**

### **New 600-Bed Hospital Group**

Construction of the new 600-bed addition to the Ontario Hospital was maintained at a high level. The new hospital when completed will be a new departure from previous mental hospital developments with color schemes anything but institutional. Such aesthetic treatment as Italian marble and coloured glass panels, pools and planter boxes, and many other brighteners are introduced. Construction was as follows:

#### **200-Bed Male and Female Admission and Acute Treatment Building**

Construction, started in March 1958, continued to substantial completion with installation and testing of various pieces of equipment essentially completed and cleaning up operations in progress.

#### **400-Bed Male and Female Senile Patients' Building**

This building is a two-storey structure with reinforced concrete frame. Exterior work was completed and interior work at the various wings continued as follows:

##### **Wing "A"**

Lathing and plastering completed with lathing for suspended acoustic ceilings under way on the main and second floors. Priming of walls progressed with this work. All structural tile walls to the mechanical and electrical rooms in the basement were completed.

##### **Wing "B"**

Construction work is well advanced. Lathing and plastering were completed; the suspension system for metal acoustic tile ceilings was completed with work under way setting pans on the main and second floors. Painting and installation of metal lockers, cupboards, etc. are in progress.

# Some of the pleasing interiors of the new ONTARIO HOSPITAL, HAMILTON



Main Dining Room



Sectional View of Laboratory



Typical Ward



Main Entrance Lobby



Typical Patients' Dining Area



Typical Day Room

### **Wing "C"**

Erection of glazed and structural tile is completed on the main and second floors; lathing and plastering is substantially completed and work has started on the suspension system for metal pan ceilings. All terrazzo floors were laid and grinding completed.

### **Wing "D"**

Work on this wing is well advanced with painting and installation of metal lockers, cupboards, etc., in progress.

### **Wing "E"**

All glazed and structural tile walls are completed on the main and second floors and terrazzo work is near completion on these floors.

### **Connecting Corridor**

In the connecting corridor, wing "E" of the seniles' building to wing "F" of the acute treatment building, installation of glazed tile dado was substantially completed. Plastering and work of the acoustical tile trades advanced along with the general building progress. Overall completion of this section of the work is about 75 per cent.

### **Mental Health Clinic**

This building is in the final stages of completion with laying of resilient tile flooring under way.

### **Orchard House**

Work continued on the renewal of window sash and frames. Laying of linoleum floors was completed and new radiators installed.

### **New Power House**

Installation and covering of steam pipes and painting same was completed.

### **Trades Building**

Construction of the new trades building, started in June, 1958, was completed and the premises occupied. Manholes and catch basins were installed in the yard fronting the building, sewers installed and the area graded and seeded.

### **General**

Final connections were made to complete the new lighting system around the grounds of the old and new hospital buildings.





Above: View showing "G" wing, Acute Treatment Building, Ontario Hospital, Hamilton.

Below: Administration Wing, Ontario Hospital, Hamilton.



The new steam line installation running from east house to the new seniles' building is nearing completion.

Finished grading and seeding were completed around and in front of the new laundry building.

## **ONTARIO HOSPITAL, KINGSTON**

### **New 500-Bed Hospital Group**

Mechanical services were completed May 15, 1959. Surveys for plotting of all buildings, services, roadways and site were carried forward and laboratory, servery and laundry equipment installed. All areas were completely equipped and occupied.

### **Kitchen and Dining Hall Building**

Structural alterations to the basement of the dining hall to provide facilities for the occupational therapy department were completed. All services were completed and in operation.

### **Mowat Division**

Repairs were made to the frame pavilions and the exteriors painted. Work at the garbage can sterilizing unit was completed and the unit is in service. A steam package boiler was located on its base at the boiler house and work is in progress on piping and related electrical requirements.

### **Newcourt Farm**

Sanitary services from the Ontario Hospital were cut over to the city system on September 1, 1959. Work on the sanitary, storm and water mains to Newcourt Farm were completed and placed in service.

### **Rockwood Division**

#### **Main Building**

The fireproofing programme continued in the main building with all phases of this work completed on October 16, 1959.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **Power House**

A device for the prevention of smoke which was contaminating the atmosphere was installed. After a period of operating this device further calibration of the equipment was carried out with satisfactory results.

### **General**

Installation of the fire alarm system in the Beechgrove building was completed including the tunnel conduit runs to tie in with the main building circuits. Work is currently in progress at the main building with installation of main control cabinets, annunciators and related wiring.

Fireproofing of the industrial building progressed and is nearing completion. It was anticipated this building would be ready for occupancy May 15, 1960.

All work on the installation of the primary electrical distribution system was completed.

Renovation work at the Beechgrove building progressed to completion and the building occupied.

All work in connection with the renewal of the tunnel and services at the north cottage location was completed.

Renewal of steam and return mains at wards 2, 4, 6 and 8 was completed. Old unused buildings were demolished.

## **ONTARIO HOSPITAL, LONDON**

### **New Power House**

Construction of the new power house to house three boilers with coal handling, ash disposal and ancillary equipment started in January 1959. Erection of brickwork is nearing completion. The floors of the incinerator room, maintenance shop, pump room and basement were poured and brick partition work is under way at the wash-room in the engineer's office. This project is about 80 per cent completed.

Work on exterior services advanced with a new manhole on the trunk sewer poured, and work on electrical distribution, roughing in of conduit, wiring, and installation of panels progressing.



## **General**

Construction of a new sanitary sewer to provide sanitary services for newly proposed buildings, including the new power house, and rehabilitation of the existing system, has commenced.

Connection of new water services into the buildings was completed.

Renewal of sash and repairs to 300 windows in the north building is well advanced. The heating system was also renovated.

Fire stairs for wards 3 and 5 at the main building were constructed.

Work continued on watermain revision for domestic and fire protection, and installation of the new 6" line was completed.

Roofing recommenced at the main building. The laundry roof and the corridor leading from the main building to the kitchen were reshingled in addition to numerous flat roofs.

## **ONTARIO HOSPITAL, NEW TORONTO**

### **Additions and Alterations to Central Building**

This project, including installation of equipment, was completed and the building inspected.

### **Day and Night Care Centre**

Renovation of the residence of the former medical superintendent for conversion to a day and night care centre was completed in March 1960. The project consisted of sub-dividing rooms for offices, rewiring repairs to floors, walls, chimneys and stairs, adding change rooms in the basement, and painting.

## **ONTARIO HOSPITAL, NORTH BAY**

### **Laundry**

Eleven sorting tables were installed.

### **Regional Laboratory Building**

Interior construction continued and the structure was substantially completed in July 1959. The building was started early in

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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1958 and is about 50' by 114'. It is sited between pavilion M-2 and the laundry building, and to the north of M-3, and consists of an occupied basement and one storey.

### **General**

Installation of the TV distribution system in day rooms of the pavilions and kitchen and office building was completed.

Paving of all roads and parking areas, including shouldering, and laying of sidewalks, was completed.

Four mechanical rooms in the pavilions and nurses' residence were plastered.

Work at the power house included covering of steam lines and installation of a hot water tank.

### **ONTARIO HOSPITAL, ORILLIA**

#### **Administration Building and Cottages "O" and "D"**

The extensive fireproofing programme of the buildings continued. All offices in the administration building are occupied with fire stairs in use and a permanent handrail installed. Renovation and fire resistant work on the corridor from the administration building to the auditorium room was finished, and the third floor corridor has reached the same level of completion.

#### **Boys' and Girls' Hospital**

Major renovation work was carried forward in both the girls' and boys' sections. Overall completion of this work is about 95 per cent.

#### **Power House**

The turbo generator was installed and tested in the electrical room. The new steel stairs were completed to the bunker platform to complete this project.

### **General**

All 90 concrete bases for street lighting were installed.

Outdated fire hydrants were replaced.

Storm and sanitary sewers were built. A new and separate sewer was removed from the sewer line and a new screen chamber constructed to protect lake water from contamination. A new storm sewer from cottages "O" and "K" and the nurses' residence was replaced with new concrete pipe.

## **ONTARIO HOSPITAL, PENETANGUISHENE**

### **Extension to Criminally Insane Building**

All work on the extension was completed with work on outside services substantially completed. This steel and concrete structure with slab floors and roof, brick and tile walls, and steel window sash with custodial bars and screens, assumes a "U" shape, 250' by 175', with a paved and fenced exercise yard contained between the wings. These two cell block wings are of two storeys and basement containing separate cells, guards' room, clothing storage rooms, and other store rooms. Connecting them is a one-storey central section which accommodates X-ray and photographic rooms, visitors' rooms, and offices, kitchen, servery and dining room. In the basement are the chapel, amusement hall, carpentry shop, therapy rooms, and electrical heating equipment rooms. The addition is designed to provide accommodation for 150 patients.

### **General**

Work completed at this hospital comprised: improvements to existing concrete roads around the grounds; re-arrangement of the pasteurization plant at the main building and installation of new equipment; construction of the new sewage disposal plant, now in operation; repairs to the new serveries with new equipment in position; construction of a new chicken house and revision of wiring at the main building. Rewiring of branch circuits for Cottage "A" was completed and well advanced at Cottage "B".

## **ONTARIO HOSPITAL, PORT ARTHUR**

### **Clinical Service Building—New**

Preliminary site investigation work was completed for the erection of a clinical services group of buildings to be located between the existing administration building and the kitchen-reception building.



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The new unit will comprise three wings—the female wing, the centre wing and the male wing, connected to each by passageways and by the same means to the existing administration and kitchen-reception buildings. The centre wing will be about 62' wide and 233' long with basement and 3 floors. The flanking female and male wings will each be constructed somewhat in the shape of an "L" and will consist of basement and two floors. The sections of these buildings connected to the centre wing will be about 60' in width by 193' in length, and the arms 52' wide and 153' long.

### General

Construction of the exterior 22,000 volt transformer bank, erection of the sub-station building adjoining the power house and including switchboard equipment, new feeder cables, and installation of the emergency diesel generator, were completed.

Installation of electrical services to the new parking area was completed. This work comprised placing creosoted wood posts and bumper rails and the installation of 35 duplex weatherproof electric receptacles for car heaters. Paving of roadways, placing of concrete sidewalks, installation of new drainage lines and laying of a new gravel base for the parking area were also completed.

Garbage can sterilizing equipment was installed.

## ONTARIO HOSPITAL, ST. THOMAS

### Power House Addition

The new emergency generator plant addition to the power house was completed in September 1959. The building is of concrete, brick and stone construction, 25' 6" by 51' 3", with combination concrete and tile roof slab supported on structural steel beams and walls. The roof is 20-year bonded felt and gravel on two inches of insulation.

### Root House

This project was completed in December 1959. Construction of this building, adjacent to the existing root storage building east of the laundry building, began in August 1959. It is of brick construction, 100' by 46' by 15', and it is to be used for the storage of apples and perishable vegetables. It is cork lined for insulation and contains refrigeration equipment to control temperature.

## **General**

Seven hundred and forty grilles were removed from the male and female wings in the infirmary building and two adjacent pavilions. Repairs to the laundry building roof were completed. The boiler was repaired and 72 new tubes installed. A partition was erected in the large storage shed to separate the D.P.W. and Department of Health sections. Fluorescent light installations were completed in the tunnel, and application of pipe covering to pipes under the dishwashing room at the kitchen is in progress. Eighteen hot water tanks were repaired and pre-coated.

## **ONTARIO HOSPITAL SCHOOL, SMITHS FALLS**

The exterior of the nurses' residence was painted and repairs made to sewers.

## **CENTRAL LABORATORY, TORONTO (360 Christie Street)**

Installation of the air conditioning system in the bacteriology building was completed, the main building was reroofed and washroom fixtures were renewed. Replacement of weeping tile, foundation walls and waterproofing was completed.

## **ONTARIO HOSPITAL, TORONTO (999 Queen Street West)**

### **Dining Room and Serveries**

Interior construction continues at the two new additions to the main building. The new buildings are attached to the existing buildings on the south side and comprise dining rooms and services for patients and staff. Each provides about 2,900 square feet of floor space and are three storeys in height with part basement of brick walls and concrete floor. Plastering continues and work is under way installing new door frames and glass block windows in the east addition and plumbing and heating in the west addition.

### **Laundry Building**

Construction work is nearing completion with erection of interior partitions completed, pointing of glazed tile completed, ceiling work completed, installation of heating and ventilation ducts substantially completed and heating and ventilation equipment about 60 per cent completed.

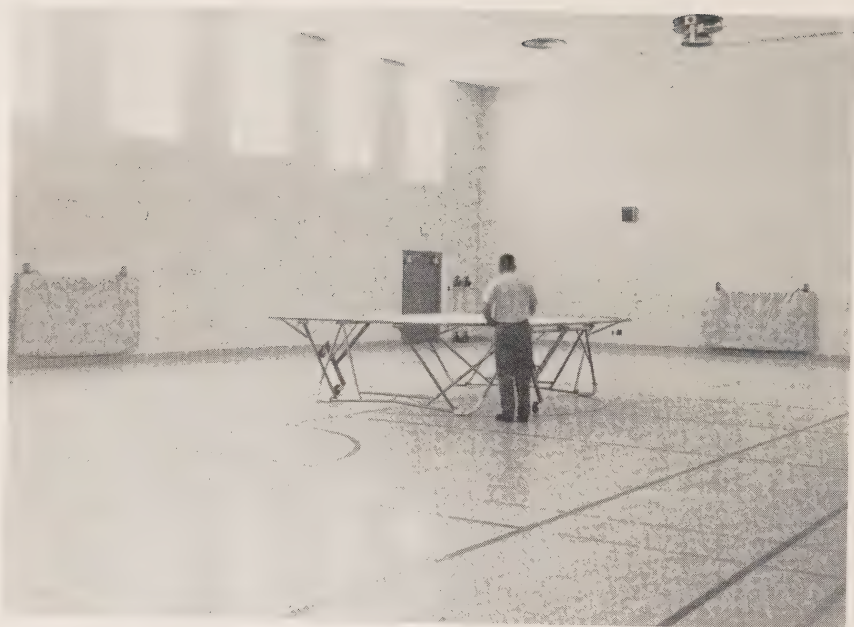


Above: Exterior view of swimming pool and gymnasium at Ontario Hospital, Thistletown.

Below: Swimming pool at Ontario Hospital, Thistletown.







Gymnasium at the Ontario Hospital, Thistletown.

When completed the new laundry will be about 241' by 102', and one-storey brick and block construction on structural steel frame with foundation and basement walls of concrete. A small basement, 73' x 45', is located at the north-west corner.

### **Main Building**

External masonry repairs and alterations to washrooms in the north-west area are in progress.

## **ONTARIO HOSPITAL, TORONTO (Thistletown Division)**

### **Electrical Building—New**

A new one storey electrical building adjacent to the heating plant is nearing completion. The building is of concrete block and 4-inch brick veneer construction, about 24' wide by 56' in length, and is being built to house machinery for emergency power supply for the institution. Cable trenches and concrete floors were poured and structurally the project is about 95 per cent completed.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **Gymnasium and Swimming Pool**

Overall structural work on this project is substantially completed. Vinyl application on the pool and glazing of both gymnasium and pool area were completed with chrome ladders installed. Installation of the filter system is in progress. This building is about 103' by 121' with concrete foundation walls 16" in thickness with 10" glazed blocks and 4" veneer walls. The roof is constructed on long span steel joists with an asbestos cement corrugated roof deck.

### **Administration Building**

Two floors were repaired and redecorated.

### **NURSES' TRAINING CENTRE, TORONTO**

The premises on the second floor at 278 Davenport Road were leased for use as a nurses' training centre, and a complete installation of standard sectional wood and glass partitions made to suit these requirements. This work included six offices, two classrooms, two demonstration rooms, one locker and change room, one kitchen complete with cupboards, sinks, four gas and one electric ranges, one linen storage with shelving, washroom rearrangement for staff and separate section for trainees. This project is about 90 per cent completed and the area partially occupied by the department.

### **PSYCHIATRIC HOSPITAL, TORONTO**

All work on the construction of an addition to the boiler room to provide food and equipment storage was completed. Additional work on renovations to the washrooms was completed.

Fireproofing work at the old Zion Church, outpatients' pavilion, 92 College Street, was completed.

### **ONTARIO HOSPITAL, WHITBY**

#### **Trades and Occupational Therapy Building**

Started in July 1958, construction is essentially completed with painting of furniture and installed machinery in progress. The new building is similar in design to that at the Ontario Hospital, Hamilton, with the exception there is a second floor devoted to occupational

therapy. Overall dimensions of the structure are about 171' by 41' with brick walls, concrete floors and roof, and external facings of brick and stucco finish to conform with existing buildings of the hospital.

#### **Transformer Room Addition—New**

Work continued on the transformer vaults for installation of electric cables in pipes in underground trenches to various buildings and the transformer room addition.

#### **General**

Work progressed during the year to various stages of completion. This consisted of renovation of faulty watermains, distributing piping, and all faulty and chipped fixtures, plaster, tile floors, dado and ceilings at the female pavilion; work on flat roofs and installation of eavestroughs and conductor pipes at the 16 cottages; changing over the old ammonia type refrigeration units to modern freon type units in kitchens 1 and 2; separation of the fire and domestic watermains at the reception building; construction of two small distribution buildings with unit substation; provision of adequate steam services, and replacing defective hot water site distribution piping with steam mains, at the administration building and new patients' wings; renovation of floors in wards and offices; installation of the fire alarm and detection system in the administration and medical wings; renovation of plumbing fixtures in the female infirmary and dismantling of Nos. 3 and 4 boilers to prepare for the installation of a new boiler.

### **ONTARIO HOSPITAL, WOODSTOCK**

#### **Main Building**

Extensive fireproofing of the building continued throughout the year. Rewiring of the entire building was completed in January 1960, and plaster patching and painting were also completed. Installation of the fire alarm and detection system was completed in conjunction with this work.

#### **Chest Diseases Division**

##### **Active Treatment Building**

This structure was started in September 1955, substantially completed in March 1958, and officially opened on October 29, 1958. Occupation was progressive during 1959 and considerable landscaping



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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completed. All uncovered steam and water lines in the basement and many lines in the pipe spaces throughout the building were covered.

### **Chest Diseases Unit (Old)**

Renovation work, which will eventually embrace the kitchen and dining hall building, cottages "A" and "B", "E" and "F", 5 and 6, and the outpatients' clinic, formerly known as the reception building, is under way. Work at present is confined to the outpatients' clinic, cottages "E" and 5, and the diet kitchen and basement laboratory.

### **Epileptic Division**

#### **Power House**

Extensive work requiring installation of new manholes was completed.

### **Farm Buildings**

#### **Boar Pen—Deller Farm**

Ramps leading to the doors were built and the area surrounding the building graded.

#### **New Piggery—Deller Farm**

Concrete ramps were poured and gravel placed around the unit to bring it up to finish grade. A second oil-fired boiler was placed parallel to the existing boiler and new  $\frac{1}{2}$ " copper lines to feed the new boilers separately installed. Work has started on relining the pigpen troughs and repairing floors.

#### **New Slaughterhouse—Deller Farm**

This project was completed in February 1960, and the building is in use by the Department of Health. Construction began in October 1958. The building is 28' 4" by 24' 4" with foundation and walls of ten-inch concrete blocks with metal roof on one-inch boarding, and quarry tile dado seven feet in height.

### **Laundry Building**

Various alterations were proceeded with. Vapour proof lighting was installed in the shower rooms. Other installations consisted of

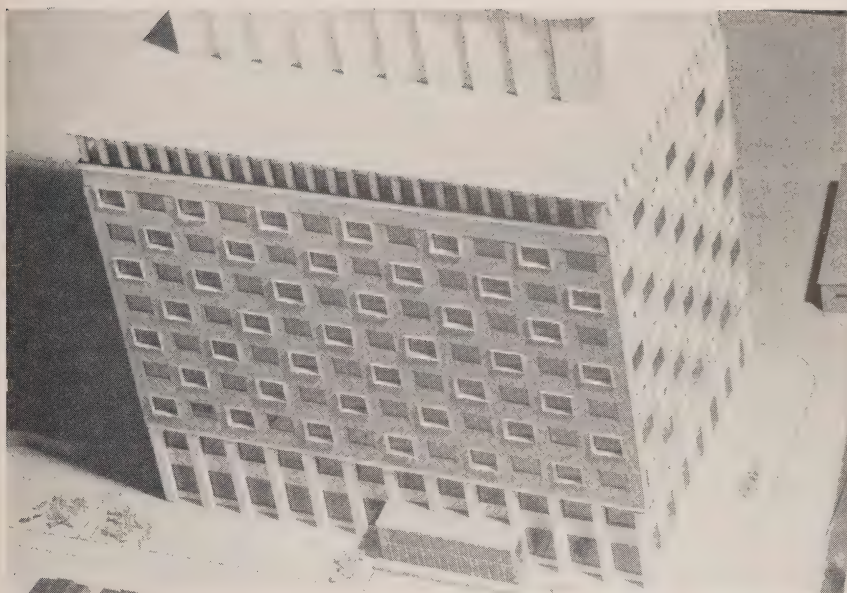
transformers and timing mechanism on washing machines; automatic electric louvres, exhaust fan, thermostats in the transformer room; repairs to the skylight including new sash and frames and reglazing of windows and painting; plastering; relocation of the existing ironer with all necessary steam connections and electrical controls.

## **General**

Extensive alterations at the ex-superintendent's office to provide accommodation for privileged patients were completed. Three water softeners were installed at the new chest diseases' unit and the heating controls at this unit were changed from manual to automatic.

Installation of the fire detection and alarm systems to all buildings continued with work nearing completion at cottage No. 1, epileptic division, and the new chest diseases' unit. Installation of the new electrical system at cottage No. 1 is about 80 per cent completed.

At the new diesel generator room diesel and auxiliary equipment was operated satisfactorily at full load. Work on the public address system in the new chest diseases' unit advanced and repairs were made to the T.V. distribution system.



View showing model of new Hospital Services Commission building,  
at Yonge and Eglinton, Toronto.

## For The ONTARIO HOSPITAL SERVICES COMMISSION

### **TORONTO—Ontario Hospital Services Commission Head Office Building**

Good progress was made on this structure which will serve the administrative purposes of the Commission when completed. Construction work began in August 1958. The building is 10 storeys and basement with an ancillary garage, equipped with grease pit and drivers' room, on a landscaped site immediately south of Eglinton Avenue on the east side of Yonge Street.

Exterior work was completed in December 1959. Interior work progresses with the final coat of plaster applied to the 4th, 5th, 6th and 7th floors, the second coat at the 8th floor, and lathing under way on the 9th floor. Installation of ceramic tile in washrooms from the 3rd to the 10th floors advances with terrazzo work started on the 2nd floor, erection of terrazzo partitions completed on the 10th floor and under construction in the penthouse. This project is about 67 per cent completed.



## **For The**

### **DEPARTMENT OF HIGHWAYS**

A building programme was instituted in the fall of 1955 for the Department of Highways, planned to extend over a period of years, on the construction of buildings built to standard plans for each respective type at various locations.

During the past year co-operation was given to the Highways' Department in the matter of preparing working drawings, specifications and sketches for new or alteration work, and in the preparation of studies for development of future projects as required. Construction work during the fiscal year 1959-60 progressed as follows:

#### **ARDEN**

All work on the standard 4-bay patrol storage garage was completed and the building occupied in May 1959.

#### **BANCROFT**

New feeder lines were completed at the 14-bay divisional garage. This work consisted of replacing about 350 feet underground feeder from the main service located on a pole structure to the garage and repairs to a 400 ampere breaker. An intercommunication system was installed at the 7-bay office building, and a security fence placed around the transformer structure.

#### **BARRIE**

The district patrol garage electrical system was renovated and a new oil burner and storage tanks installed. The three bay garage was insulated and a steel overhead door installed on the equipment garage.

#### **BEARDMORE**

A new pumping unit was installed at the new deep well.

#### **BLOOMFIELD**

Construction work on the 5-bay patrol storage garage was completed in June 1959.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **BURLINGTON**

Construction of the 11-bay patrol storage garage was completed and Department of Highways personnel took over occupancy of the building on July 6, 1959.

Erection of a standard plan office building immediately north of the 11-bay patrol garage started in February 1960. The new garage is about 141 feet by 50 feet, of brick and concrete construction and tar and gravel roof. Construction of the concrete pier and column footings was completed and forming and pouring of beam walls is in progress.

### **CARLETON PLACE**

Started in November 1958, the 5-bay patrol garage project was completed and occupied in August 1959.

### **COCHRANE**

The heating system at the 9-bay patrol garage was cleaned and repaired.

### **ENGLEHART**

Repairs were made to the heating system at the 6-bay patrol garage.

### **FORT WILLIAM**

Site investigation work was completed for two proposed 9-bay heated storage buildings. Some preliminary site investigation work was also carried forward for the erection of a proposed district repair garage.

### **GERALDTON**

Interior work progressed on this prefabricated 4-bay steel patrol garage. Installation of full electric services; forced warm air, oil fired heating system; plumbing, septic tank and disposal field, and new drilled well and pumping unit were completed and the building occupied on June 15, 1959.

### **HUNTSVILLE**

A 100 amp., 600 volt, three-phase service to operate the new paint drying machine was installed at the 14-bay divisional garage.

## **KASHABOWIE**

A permanent new pumping unit was installed at the site of the new deep well drilled the previous year.

## **KENORA**

A new deep well was drilled. New steel hinged sash was installed in upstairs storeroom No. 201.

## **KINGSTON**

Alterations and installation of new equipment for heating and electrical services at the bailey bridge building were completed with services in use. Alterations to provide facilities for a regional testing laboratory continued with assembling and setting of laboratory work tables and equipment completed and ancillary equipment installed and in operation. This work also included waste and supply connections to the building service.

At the 14-bay divisional garage modifications to boiler control equipment and installation of vent piping from the safety valves to the atmosphere, including drains, was completed.

## **LANCASTER**

The 4-bay patrol garage is undergoing repairs.

## **MARYSVILLE**

The 6-bay patrol storage garage project was completed in July 1959.

## **NEW LISKEARD**

The district office was painted and an intercommunication system installed. Repairs were made to the heating system at the heated storage building.

## **RED LAKE**

All work, including landscaping, was completed at the new 3-bay patrol storage garage.

## **SHABAQUA**

A concrete manhole was constructed at the top of the new drilled well and the pumping unit installed.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **SUDBURY (McFarlane Lake)**

Main electric power feeders were connected to the new sub-station and work completed on pipe covering, room ventilation and fire alarm system at the 14-bay divisional garage, the 9-bay heated and unheated storage buildings, to complete the entire project.

### **TERRACE BAY**

A new pumping unit was installed for the new deep well on the site of the 4-bay patrol storage garage.

### **TWEED**

A new heating system was installed at the patrol garage.

### **WHITBY**

The garage was insulated. This is a quonset type hut 40 feet wide by 120 feet long.

### **WINCHESTER**

Excavation for a standard 4-bay patrol garage on highway No. 43, near Winchester, started in July 1959, and the building was completed and occupied in December.

### **DOWNSVIEW**

#### **Administration Building**

Erection of the new Administration Building on a site located just north of highway 401, and to the east of the existing buildings, began early in 1958. Cornerstone ceremonies were held on May 15, 1959, when the Hon. Fred M. Cass, Q.C., Minister of Highways, the Hon. James N. Allen, B.S.A., Provincial Treasurer, who deputized for the Hon. Ray Connell, Minister of Public Works, and Mr. Thomas Graham, M.P.P. for York Centre, officiated.

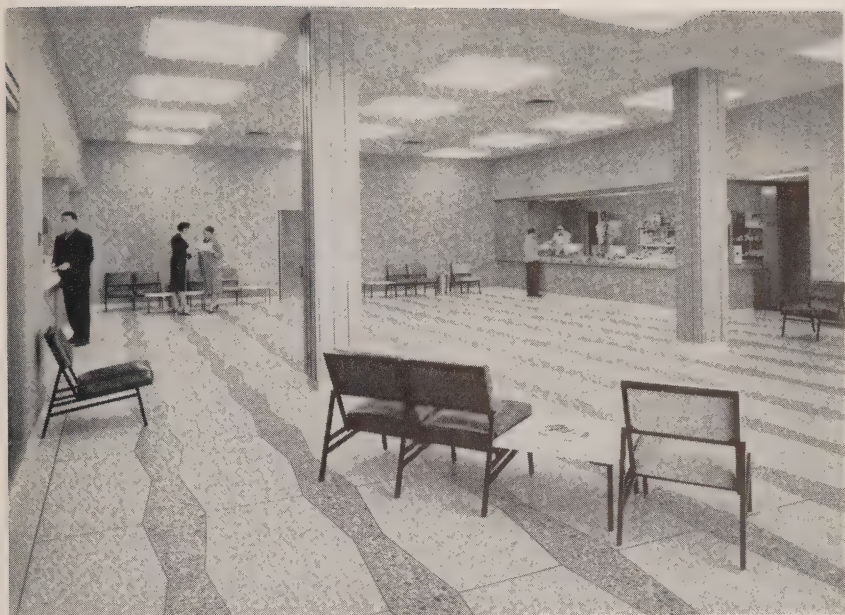
All exterior work was finished by December 1959 with building construction completed, partition work nearing completion and the premises completely occupied at the end of the fiscal year. Construction of the bridge connecting the administration building to the office and laboratory building progressed.



Above: Front view of New Administration Building, at Downsview.

Below: View of Administration Building at Downsview, from 401 Highway.





Main lobby at Downsview Administration Building.

### **Central Stores Building Addition**

The central stores building addition was completed and the Department of Highways moved the remainder of personnel into the building on September 24, 1959, and now fully occupy the addition.

The new wing about 113 feet six inches by 81 feet two inches, is two storeys in height with full basement, and connected to a complete second floor area consisting of the addition of another storey to the one-storey portion of the existing building, and of similar construction. Dimensions of the second floor addition are 185 feet 5 inches by 87 feet two inches.

### **Office and Laboratory Building**

Relocation of the existing cafeteria from the first floor to the basement in order to cope with the additional personnel now occupying the new administration building was undertaken and is about 95 per cent completed.

### **General**

An additional staff washroom was installed at the 6-bay garage extension. A gas pump and oil storage tank was completed at the storage building addition.





Above: Executive office, Administration Building, Downsview.

Below: Main drafting room, Administration Building, Downsview.



## **For The**

### **DEPARTMENT OF LANDS AND FORESTS**

#### **ATIKOKAN (Nym Lake)—Chief Ranger's Headquarters**

Necessary repairs to the radial chimney and lighting equipment, and electrical wiring of the air service repair depot, were completed. Two 50KW diesel generators were transferred from White River and installed.

#### **CHATSWORTH—Trout Rearing Station**

Construction of the fish hatchery building was substantially completed. Work on this building started in August 1958. The overall length of the building is about 136 feet by 35 feet. It is one-storey, masonry and concrete construction containing a boiler room, storage workshop, preparation room, pellet store, lunchroom, office, ice making room, ice room, compressor room, lockers, lavatories and a laboratory. There is no basement.

#### **DORSET—Forest Ranger School**

An automatic fire alarm system was installed and work was completed on the communication system.

#### **FORT FRANCES—Chief Ranger's Office and Warehouse Building**

Electrical services were renovated and a fire alarm system installed.

#### **FRENCH LAKE**

Installation of an outside service line for the ranger station, office, shop and 3-bay garage was completed.

#### **GERALDTON**

A preliminary site investigation was completed for the proposed new 11-bay district office building.

#### **GOGAMA—Chief Ranger's Station**

A 25KVA electrical transformer was installed.

## **HEARST**

Electrical installations were completed at this management unit.

## **KAKABEKA FALLS—Park Concession Building**

Construction of this project was completed in March, 1960.

## **KAPUSKASING**

Electrical installations at the repair and maintenance shop were substantially completed.

## **KEMPTVILLE—Hon. G. Howard Ferguson Nursery**

### **Office and Storage Building**

Construction of this building was completed and the exterior painted. The new building is of frame construction on concrete footings and concrete floor and is 25 feet by 50 feet in dimensions.

## **MAPLE—Southern Research Station**

Work is nearing completion on the installation of a temperature and humidity control system for the three growth chambers in the pathology laboratory. Construction of numerous underground trenches within the building, and the construction of concrete bases required for compressors and various types of machinery settings, is under way.

## **MISSANABIE—Deputy Chief Ranger's Headquarters**

Defects in the wiring were corrected and the service switch and meter relocated. Electrical services were provided for two additional buildings.

## **NORMANDALE BIRD FARM AND FISH HATCHERY**

The underground pyrotene feeding the No. 2 pumphouse, damaged by lightning, was removed and replaced.

## **NORTH BAY—Chief Ranger's Headquarters**

The roof was repaired.

A junction box was installed on the hydro service pole which feeds the radio tower building to prevent hazards to service crews.





Above: View showing construction progress at the new Chief Ranger's Headquarters Building, Pembroke.

Below: New addition to Forest Insect Laboratory, Sault Ste. Marie, west side.



### **PEMBROKE—Chief Ranger's Headquarters**

The building was substantially completed on February 15, 1960, and occupied by the Department of Lands and Forests on that date. The new building is located on the bank of the Ottawa River and is 141 feet seven inches by 157 feet seven inches, part one-storey and part two-storey. It is fire resistant throughout and of masonry wall construction. Building walls are set on concrete piling and the flat roof is supported on steel beams with one and a half inch rigid insulation and built up roofing. Exterior walls are eight-inch concrete block faced with four inches of brick.

### **PORT ARTHUR**

The yard and driveway were paved at the district office building and minor renovations were made to the heating system.

The yard and driveways of the air service base were paved.

### **SAULT STE. MARIE—Addition to Forest Insect Laboratory**

Construction of this addition was completed and all laboratory fixtures installed with installation of the fire alarm system in progress. Work on this building began in September 1958. The new addition consists of a basement and one floor, 82 feet by 52 feet, of concrete construction with terrazzo floor and masonry walls. The parking and landscape area includes space for 29 cars.

### **SAULT STE. MARIE—Air Services Division**

#### **Addition to Hanger Building—New**

Erection of this one-storey addition to the hangar building, started in June 1958, was completed.

### **SWASTIKA (Gross Township)—Deputy Chief Ranger Headquarters**

A pumping unit and 2-inch water line was installed to provide a water pressure system for the nursery. Electrical wiring and installation of panels and fixtures were completed.

## **For The**

### **DEPARTMENT OF REFORM INSTITUTIONS**

#### **BOWMANVILLE TRAINING SCHOOL FOR BOYS**

Construction of a new sewage disposal plant is about 90 per cent completed. Installation of the new locking system with key changes is nearing completion. Work is well advanced on a new asphalt and gravel roof at the administration building. The Darch barn was re-wired. Plumbing repairs and installation of white glazed tile on walls and ceilings and white tile on floors were completed in the gymnasium shower room.

#### **INGLESIDE ONTARIO WOMEN'S GUIDANCE CENTRE, BRAMPTON**

This newly completed building, formerly known as the training school for reformable women, was officially opened on July 31, 1959, when the Hon. Ray Connell, Minister of Public Works, tendered the official opening key to the Hon. George C. Wardrope, Minister of Reform Institutions, who duly declared the building opened.

The new institution is a cottage type structure located on a 10-acre area of the existing Ontario Reformatory at Brampton and about a quarter of a mile south of the existing building. It is of the minimum security type with accommodation for 24 women, and has all the requirements necessary for an isolated establishment.

#### **ONTARIO REFORMATORY, BRAMPTON**

General maintenance was carried out as required.

#### **RIDEAU INDUSTRIAL FARM, BURRITT'S RAPIDS**

##### **Paint and Woodworking Shop**

Started in October 1958, construction of a new paint and woodworking shop of concrete construction, 24 feet by 40 feet, was completed and occupied early in the year. Power tools were installed and the building painted.

##### **General**

Finished grading and fencing work were completed at the new sewage disposal plant which is now in operation.



## **INDUSTRIAL FARM, BURTCH**

### **Power House**

Erection of the new power house which started in November 1958 is nearing completion. This is a one-storey building with basement walls of concrete construction, concrete block interior and brick exterior, 20-year bonded roof supported on massolin joist and brick chimney with 15-foot base. Interior work progressed with ceilings in the hallway, shower room and engineer's office plastered, the water and fire lines completed and the domestic hot water storage tank installed. Laying the concrete floor in the main power house and installation of lighting, conduit and fixtures was under way.

### **General**

Return piping to cell blocks in the old administration and occupational therapy building was renewed; an addition to the inmates' dining hall was constructed; the old roof at the hangar building was removed and a new roof applied; installation of the fire alarm system to all buildings was completed and a protective fence was erected around the cannery waste treatment plant in addition to installation of the electrical service and painting.

## **INDUSTRIAL FARM, BURWASH**

### **Camp No. 1 (Camp Spruce)**

The project of increasing the transformer capacity of the kitchen was completed.

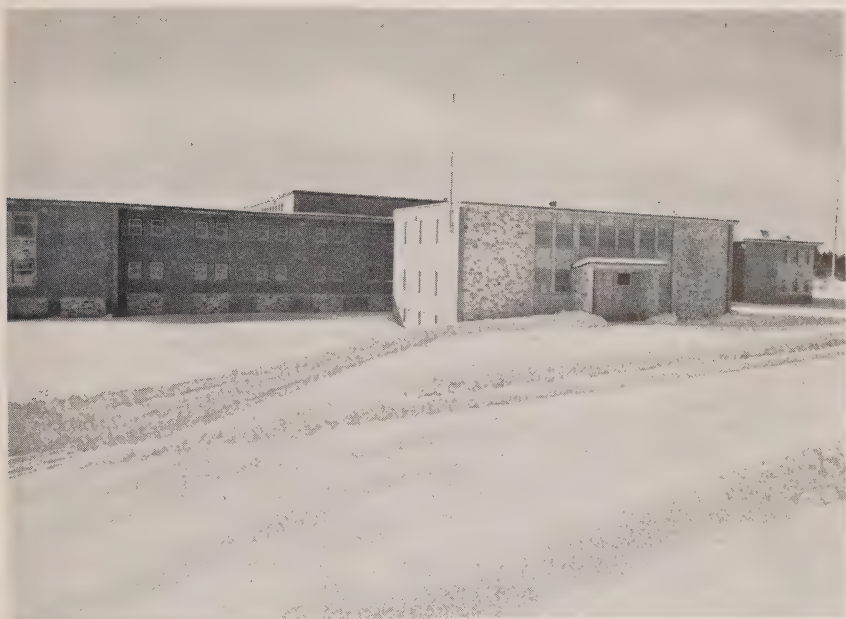
Boilers not in use at Camp 2 were removed to Camp Spruce for installation.

### **Camp No. 2 (Main), and Burwash Village**

The cattle and dairy barns, various cottages and garages, were rewired.

Rewiring and installation of lighting fixtures at the administration building was completed.

Work was completed on installation of the 8-inch steam main and 3-inch return line between the new and old power houses.



View showing main entrance, Burwash Industrial Farm Camp No. 5 (Bison).

Catwalks were installed at the central heating plant. Pipe insulation was completed and painted and installation of the fire alarm system under way.

Removal of the abandoned 8,000 volt power line from McVittie generating station to Camp 2 is in progress.

The water tank and tower were cleaned and painted.

#### **Camp No. 5** **Dormitory and Cells Group**

Construction work on this group of new buildings is essentially completed with interior work nearing completion.

Existing non-fireproofing buildings were demolished prior to construction with excavation starting in August 1957. The facilities and accommodation of the camp are greatly augmented with the completion of these new buildings which are planned and designed for minimum security and a bed capacity of 200. Contained in the unit are the administration wing and detention corridor, cell block, dining and auditorium wing and power house.

The main building is "U" shaped, two-storeys high, about 250 feet across the base and 175 feet deep and contains 200 individual rooms and 10 isolation cells, each complete with sanitary facilities, a bed and a table. Radio speaker outlets are installed in the corridors. Four day rooms, utility rooms, and shower rooms, are also provided for inmates. The three-storey administration building is situated at right angles to the front of the main building and is about 36 feet by 70 feet. Centred between the wings of the main building, a two-storey building, 84 feet by 108 feet, contains the dining and food preparation areas on the ground floor and an auditorium on the second floor.

Also included in the project is a building about 60 feet by 80 feet, of steel, frame and brick construction to house steam generating boilers and water pumping equipment for the new buildings. The buildings are equipped with medium security installations, including armoured control points for all vital doors, tear gas controls for the dining room area, and a provision for a mechanical gang locking of cell doors at a later date.

### **General**

Construction of a new disposal plant advances. Concrete and brickwork, roofing, pipe railings, steam lines were completed with lighting and installation of electric wiring for the pump motors and controls in progress, temporary heating installed and work of pipe covering about 75 per cent completed.

Wiring of two diesel generators, recently moved from Camp 2 to Camp 5, is nearing completion.

Removal and alteration of old cables is under way on the telephone line from the main switchboard to Camp 5.

Work progressed at the new waterworks system. Piping, pressure tanks and chlorinator were installed and pumps installed and connected.

### **BOYS' TRAINING SCHOOL, COBOURG**

Work at this institution comprised enlargement of the dining area by forming closures and finishings to the south verandah; substantial completion of two walk-in refrigerators adjoining the kitchen and meat cutting room; installation of a new locking system at Rowe House and renewal of roofs at Rowe House and the Coach House.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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### **FORT WILLIAM INDUSTRIAL FARM**

Renovation of the main kitchen was completed. This included installation of new high pressure steam service from existing boilers to operate the new cooking equipment, canopy, exhaust fan over ranges and steam kettles, new fluorescent lighting, and additional heating units and radiators.

Renovation of the electrical system advanced and is about 90 per cent completed.

### **GIRLS' TRAINING SCHOOL, GALT**

#### **6-Bay Garage and Storage Building**

This project, started in May 1958 was completed in August 1959. Catch basins were installed in front of the garage and the area graded and levelled.

#### **General**

Brickwork was replaced and stonework reset on the top sections of the bay windows at Collingwood and Nelson houses. This work necessitated replacing a portion of the roof to prevent leaking. Brickwork at the top section of the power house was also replaced.

Rewiring of the administration building to bring it up to code standards was completed.

Work progressed on renewal of steam and return piping to Hood and Churchill houses. Installation of piping, traps, valves and gauges from the steam main to the convertor was completed and tested.

### **ONTARIO REFORMATORY, GUELPH**

#### **Extension to Cannery**

Erection of an extension to the cannery was completed and cannery operations are in progress. The new addition is situated between the present warehouse and washroom and is about 30 feet by 100 feet in size.

## **Kitchen and Staff Dining Room Area, Main Building**

All work on this project was finished.

### **General**

Plumbing repairs to "A", "B" and "C" dormitories are continuing. Eight dormitories in "A" block were completed with structural alterations and new plumbing fixtures. Work now progresses at "B" block where there are seven standard and two smaller washrooms.

At the power house repairs to the boiler, including breaching, were substantially completed.

Steam and return lines were installed at the old abattoir, and installation of a heating trench to the horse barn, dairy and piggery, was completed.

## **TRAINING SCHOOL FOR INCORRIGIBLE BOYS, GUELPH**

Twenty-six ventilation louvres were replaced with sash and screen.

## **INDUSTRIAL FARM, MONTEITH**

Preparation of a site survey and site plans to accurately locate all existing buildings, roads, walks, pole lines, fences, catch basins, man-holes, hydrants, etc., was completed.

All shop equipment from the old carpenter shop was moved to the new carpenter shop and electrical connections to this equipment were completed.

Temporary steam and return lines were installed to the superintendent's residence.

## **DISTRICT JAILS**

### **FORT FRANCES**

Defective water piping was replaced and new fixtures installed.

### **HAILEYBURY**

All branch circuit wiring and lighting panels were replaced, new fire reels were installed to replace deteriorated reels, and a steel

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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grille erected to provide an admitting room. A new stainless steel three-compartment kitchen sink was installed and washroom facilities provided for the isolation cells.

### KENORA

#### Additions

Three additions are under construction to add to the facilities of the existing jail building. The new extensions are being built to conform with the present building and will be of brick and block construction with flat roof. Construction began in May 1959. Roofing and flashing were completed at all three wings and interior work progressed. Both oil fired boilers are in operation and the new incinerator and domestic hot water tank installed. Roughing in of plumbing continued and is ready to connect the rear wing to the new sewage disposal plant. Roughing in of electrical wiring advanced, the ventilation system is substantially completed and quarry tile floors laid in the kitchen and laundry. Work is about 70 per cent complete.

The existing jail building comprises a basement and first and second floors with the front elevations having a south-westerly aspect. The three additions are being constructed to conform with the present building and will be of brick and concrete construction with flat roofs.

Addition No. 1 to the rear is 44 feet by 50 feet and will provide accommodation in the basement for the boiler room, vegetable room, fuel storage and a dormitory for emergency use only. The first and second floors will provide additional cells for men.

Addition No. 2, on the front west side of the jail is 41 feet by 27 feet 10 inches. The basement is to be used for laundry purposes only. The first floor will accommodate the kitchen, refrigeration and food storage, with the second floor providing cells for women.

Addition No. 3, on the front east side, is identical in size and dimensions to addition No. 2, and will accommodate cells for women both in the basement and on the first floor with the second floor used for dormitory and sick bay accommodation.

When additions 1, 2 and 3 are completed, there will be 48 men's cells and three cells for male sick bay; 10 women's cells and three cells for female sick bay as well as four special cells, for a total accommodation of 68.



## **General**

A new sewage disposal plant is under construction. Temporary heating was supplied and underground conduits for electric power to the plant installed. This project is about 90 per cent completed. The governor's residence was renovated.

## **NORTH BAY**

Alterations to the apartment block for conversion into a women's cell block were completed.

The jail quarters formerly occupied by the governor, were altered to provide three cells and two dormitories to accommodate female prisoners.

Hot and cold water lines were renewed and insulated.

Minor repairs to the heating and electrical systems were completed.

## **PORT ARTHUR**

Old galvanized iron hot water piping was replaced with new copper piping.

Surfacing of the driveways and parking area was completed. New traps were installed on radiators and return lines. A new electrically operated window type ash hoist was installed at the boiler room.

## **SAULT STE. MARIE**

Wiring was installed to provide current for a chest X-ray unit.

## For The

### PROVINCE OF ONTARIO SAVINGS OFFICES

This department prepared sketches, working drawings and specifications for proposed new work or alterations; and the arrangements for, or execution of this work as required at the existing branch offices.

The work of arranging and preparing new leases and the renewal of expiring leases, together with agreements, was carried out as directed.

Routine maintenance was carried out at **BRANTFORD, GUELPH, HAMILTON, LONDON** and **TORONTO** Branches.

Nests of 48 safety deposit boxes were installed at **GUELPH** and **LONDON**.

#### **TORONTO (Bay and Adelaide Branch)**

Plaster walls were patched where necessary and the premises completely repainted. Repairs were made to the garage at the rear of the building.

#### **TORONTO (University and Dundas Branch)**

Vinyl asbestos tile flooring was laid on the entire working space, the manager's office and in the vaults. Two metal stands for safety deposit boxes were erected and a nest of 48 safety deposit boxes installed.

#### **TORONTO (Main Parliament Buildings)**

Alterations, including the erection of partitions and a counter, and the installation of new furnishings, were made to room 184.

## For The DEPARTMENT OF TRANSPORT

### **DOWNSVIEW—Drivers' Examination Building**

All major construction was completed in October 1959, with official opening ceremonies held on October 14th.

The structure is immediately west of Keele Street, just south of highway 401, on a 10-acre site. Construction started in October 1958. Sodding of about 40,000 square yards of grass in the area was substantially completed, the exterior testing areas laid and painted, and 600 concrete bumpers constructed to mark off the testing bays.

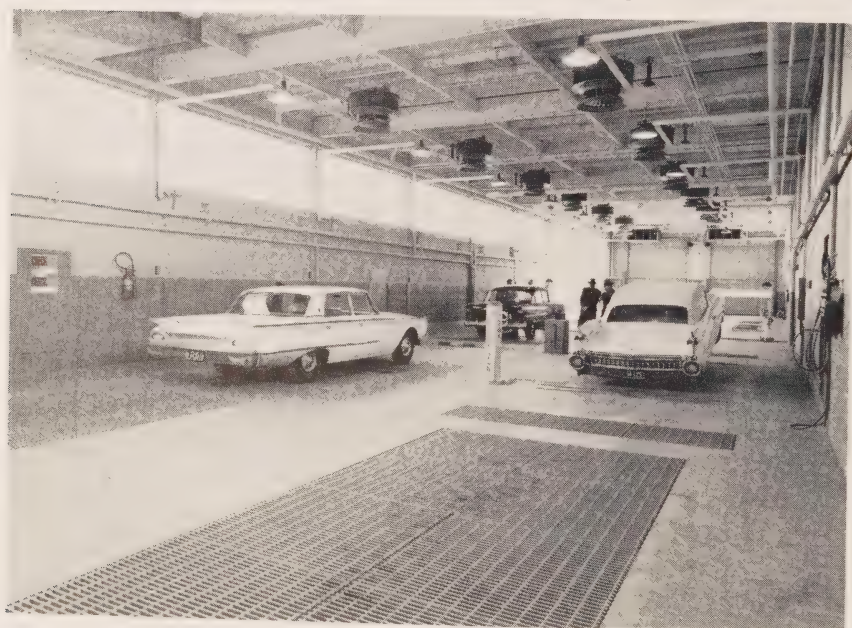
The building section is 169 feet by 161 feet, of one storey and penthouse with concrete foundation, and is "L" shaped.

The east side of this site provides the building location and parking for both staff and public, while the entire western half of the area is paved for use as a testing area by applicants for driver's licenses.

### **IVY LEA (At Thousand Islands Bridge)**

A scale house, 20 feet by 14 feet was constructed.

Below: Interior view of Motor Vehicle Inspection Building, Downsview.







Above: The new Driver Examination and Motor Vehicle Inspection Building, Downsview.

Below: View of testing area, Dept. of Transport Examination Centre, Downsview.



## For The

### DEPARTMENT OF TRAVEL AND PUBLICITY

As in previous years, working drawings and specifications for new work or alterations were prepared, and their execution arranged for, by the Department of Public Works in co-operation with the Department of Travel and Publicity.

General maintenance work was carried out at the following reception centres:

**CORNWALL, FORT ERIE, KENORA, NIAGARA FALLS, POINT EDWARD  
(BLUE WATER BRIDGE, SARNIA), ST. CATHARINES (HOMER).**

#### **LANCASTER (Glengarry Park)**

Construction work started in April 1959 on the construction of a tourist reception centre, and was completed in the latter part of the following July, with Travel and Publicity personnel moving into the building on September 5, 1959.

The building is about 35 feet by 52 feet, with brick walls and stone front and is similar in design to that erected at Point Edward, Sarnia. It contains an office for the supervisor, a utility room for heating equipment, a storeroom, kitchenette, and a restroom with staff washroom facilities in addition to washroom facilities for tourists.

#### **MIDDLE FALLS**

New filtering units were installed to clarify and remove objectionable odors from the domestic water supply.

The exterior log siding and woodwork were cleaned and re-varnished, entrance doors repaired, several broken windows replaced and a ventilation louvre fitted to the boiler room window.

### **HISTORICAL SITES**

Plaques marking historical sites were erected at: Fort William, Galt, Paris, Port Arthur, Port Ryerse, St. George, St. Thomas, Temagami, Timmins and Vittoria.

## For The ONTARIO WATER RESOURCES COMMISSION

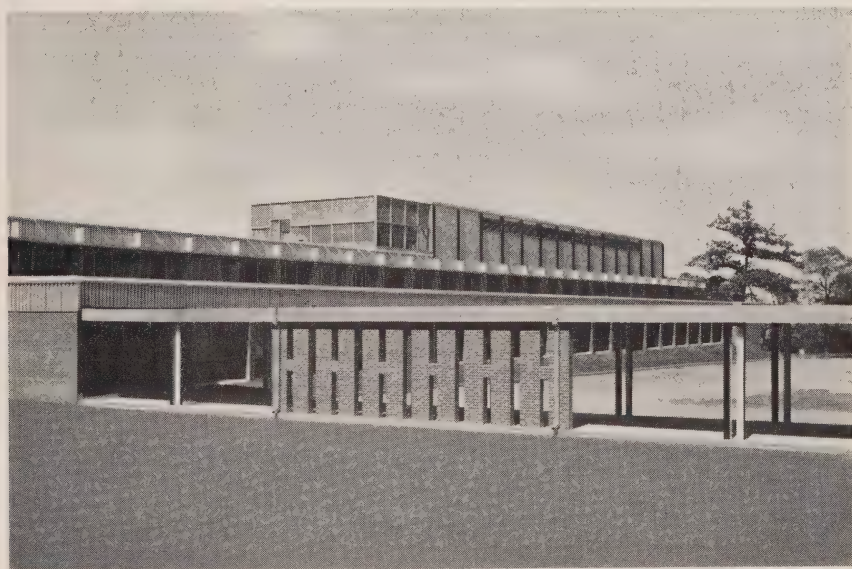
### Laboratories and Research Building

Corner stone laying ceremonies for the new laboratories and research building were conducted on May 20, 1959. H. Leslie Rowntree, M.P.P. for York West, laid the corner stone at this ceremony. Assisting him at this function were Mr. A. M. Snider, chairman of the Ontario Water Resources Commission, together with all members of that commission, and the Hon. Ray Connell, Minister of Public Works.

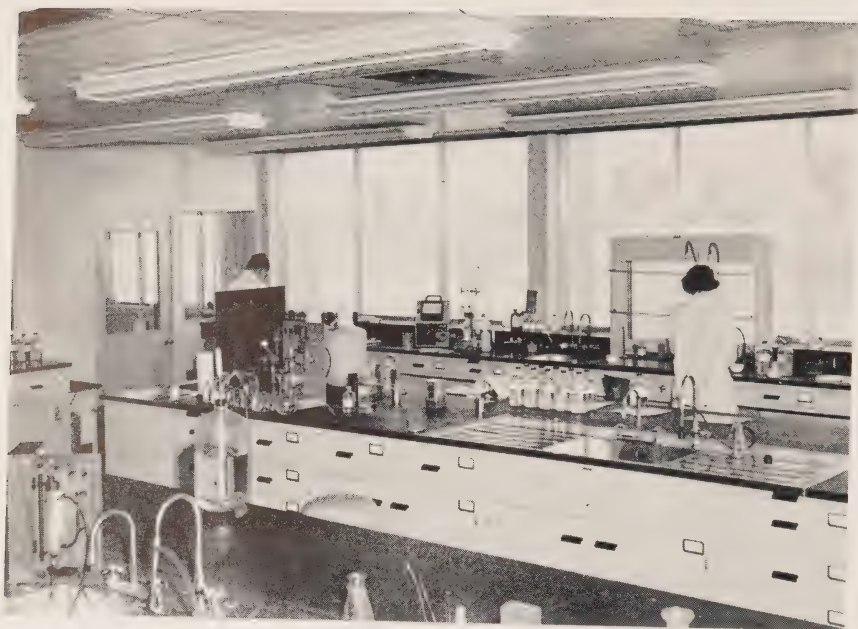
The new laboratories and research building, formerly known as the administration and laboratory building, was substantially completed in September 1959, with the elevator installation and kitchen equipment completed, and balancing and testing of the air conditioning system in progress. Grading operations were partially completed and deferred until the advent of spring.

Ground for this project was broken on December 30, 1957, in Etobicoke township, just west of the Humber River, on a site running parallel to highway 401 for 500 feet and 700 feet deep. The project, including the main building and outbuildings, provides about 53,000 square feet of floor space. Due allowance is made for future expansion.

Rear view of the new laboratories and research building, Etobicoke.







Above: View of water testing laboratory, Water Resources Commission, Etobicoke.

Front view of Ontario Water Resources Commission Building on 401 Highway, Toronto.



## **For The ONTARIO GOVERNMENT EXHIBITS**

**Canadian National Exhibition, Toronto  
August 26th - September 12, 1959**

### **ONTARIO GOVERNMENT BUILDING, EXHIBITION GROUNDS, TORONTO**

To run concurrently with the Canadian National Exhibition, the Ontario Government prepared an exhibition exemplifying some of the features and functions of various departments of the government.

The Department of Public Works organized and acted as liaison in the preparation of this exhibition and prepared the Ontario Government Building in Exhibition Park to provide suitable settings for displays to be produced and shown by various departments, including the Departments of Agriculture, Attorney General, Education, Health, Energy Resources, Highways, Labour, Lands and Forests, Mines, Planning and Development, Public Welfare, Travel and Publicity, Transport, and Provincial Secretary, and the following government sponsored organizations: Ontario Branch, Canadian Cancer Society Ontario Division, Canadian Red Cross Society and Ontario Water Resources Commission.

This preparation included the maintenance of all mechanical and electrical services throughout the building, all additional mechanical and electrical installations required to serve new displays, all special and general lighting, carpentry, painting, sign work, construction of new exhibits, changes to and maintenance of existing exhibits and the interior decoration of the building with flowers and evergreens.

Also included, was the preparation and equipping of a 300-seat movie theatre to be operated by the Department of Treasury in which six programs were presented daily and which featured entertaining and educational films related to some of the functions of the exhibiting departments.

The whole, when completed, through its design, color and lighting effects, produced a harmonious setting for all exhibits presented by the various departments, and the expressed approval and comments offered by visitors indicated that the exhibition was well received, and enjoyed, by the attending public.

### **CENTRAL CANADA EXHIBITION**

**Ottawa, Ontario**

**August 21st - August 29th, 1959**

As in previous years, the Board of Directors of the Central Canada Exhibition invited the Province of Ontario to participate in

their annual exhibition and offered space in their Grandstand Building in which exhibits by various departments of the government could be shown.

The Department of Public Works organized the government exhibit and co-ordinated the various departments who wished to present exhibits depicting some of their functions and services. This was similar, but on a reduced scale, to that undertaken at the Canadian National Exhibition in Toronto.

It was indicated that the Ontario Government Exhibits at the Central Canada Exhibition, which included displays by the Departments of Agriculture, Health, Highways, Lands and Forests, Reform Institutions, and Planning and Development, were viewed and enjoyed by more visitors than in any previous year, and that the Ontario Government contribution appeared to be one of the outstanding features of the Central Canada Exhibition.

## BOILER INSPECTION

The boiler inspection work of this department as in previous years, was carried out under the supervision of officers of the Ontario Department of Public Works.

The boilers, boiler plant and heating equipment of the legislative and departmental buildings, Osgoode Hall, educational buildings, agricultural buildings, district buildings, Ontario government hospitals, Ontario training schools and Ontario reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and material needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario hospitals and reformatories, the reports as referred to were sent to the departments of Health and Reform Institutions respectively, for their attention in the matter of making minor repairs recommended. Major repairs for these departments were attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,



D. G. Creba,  
Chief Architect.

Toronto, March 31, 1960.



## REPORT OF THE CHIEF PROPERTY VALUATOR

Parliament Buildings,  
Toronto, Ontario,  
March 31st, 1960.

Mr. J. D. Millar,  
Deputy Minister,  
Department of Public Works.

The year just ended has been most active, particularly in respect to the acquisition of properties involving the expenditure of large amounts of money. These included the four-acre city block owned by the Sisters of St. Joseph adjacent to the East Block of the Parliament Buildings, the 12 storey office building known as 801 Bay Street, 831 and 832 Bay Street occupied by Addison Cadillac Oldsmobile Limited and the Beck Memorial Sanatorium at Byron near London.

The staff of the Property Branch now totals 21 persons. The reorganization mentioned in last year's report has made possible the delegation of responsibilities to four Regional Supervisors and the Property Agents under their supervision. During the year a Property Manager was appointed. His responsibilities include the preparation of requisitions for payment of rent, a record of income derived from revenue producing properties, fire insurance on Government buildings, payment of taxes, and a perpetual inventory of properties under the control of the Department.

While the Property Management Section has been in operation, cheques amounting to \$969,053.98 have been requisitioned for the payment of rent, advice has been forwarded to the Chief Accountant concerning rent totalling \$179,007.17 to be received from revenue producing properties, and taxes in the amount of \$48,683.10 have been recommended for payment. As of March 31, 1960, \$21,662,563.00 of fire insurance is in effect and premiums amounting to \$7,069.71 have been paid during the year.

The total number of transactions approved during the year compared with the previous year are as follows:

### 1959-60

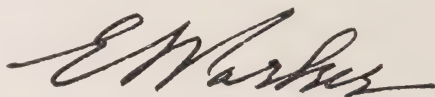
113	Purchases, Valuations, Sales .....	\$ 11,353,507.99
81	Leases .....	1,099,964.74
		<hr/> \$ 12,453,472.73

1958-59

152	Purchases, Valuations, Sales .....	\$ 1,896,070.02	
58	Leases .....	595,212.41	
		—————	\$ 2,491,282.43

The writer has continued to attend meetings of the Ontario Parks Integration Board as a member of its Advisory Committee, and as representative of the Department of Public Works.

Respectfully submitted,



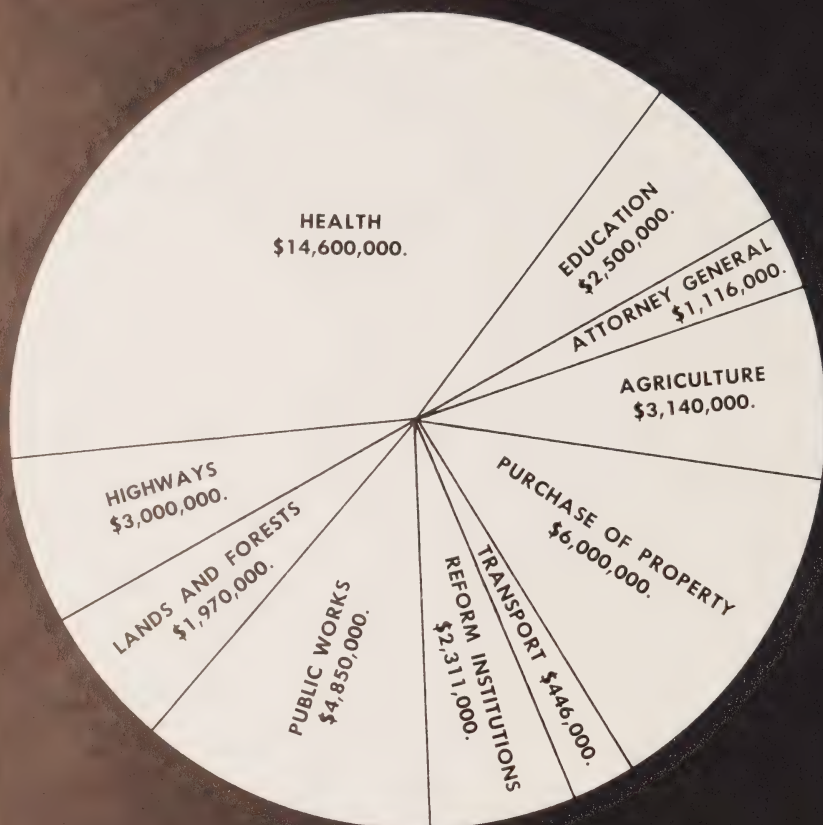
Everett J. Parker,  
Chief Property Valuator.

801 Bay Street, Toronto.





# Ontario Department of Public Works Expenditure 1959-60



**New construction  
and capital improvements  
\$40,000,000.**

## REPORT OF THE CHIEF ACCOUNTANT

Department of Public Works, Ontario.  
Toronto, March 31, 1960.

Mr. J. D. Millar,  
Deputy Minister of Public Works,  
Parliament Buildings,  
Toronto, Ontario.

Sir:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditures on Provincial Government Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1960.

I have the honour to be, Sir,

Your obedient servant,

A handwritten signature in dark ink, reading "A. A. Easson". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

A. A. Easson,  
Chief Accountant.

## REPORT OF THE ACCOUNTANT

The following figures show an increase in the operations of the Department over the previous year:

### EXPENDITURES

Fiscal Year	Ordinary	Capital	Total
1959-60	\$11,038,232.84	\$53,624,110.90	\$64,662,343.74
1958-59	10,793,940.04	49,771,679.74	60,565,619.78
	\$ 244,292.80	\$ 3,852,431.16	\$ 4,096,723.96
Per cent Increase	2.26%	7.74%	6.76%

### SUMMARY OF EXPENDITURES

For Fiscal Year April 1st, 1959, to March 31st, 1960

Service	Ordinary	Capital	Total
Main Office—			
Administration expenses, etc.	\$ 1,320,919.18		\$ 1,320,919.18
Maintenance and Repairs—Government			
Buildings	7,409,898.83		7,409,898.83
Public Works—Dams, Docks, Locks, etc.	93,539.12	864,674.86	958,213.98
Public Works—Aid to Drainage	805,806.78	1,488.13	807,294.91
Public Buildings		40,034,730.98	40,034,730.98
Ontario Water Resources Commission	1,260,021.74	12,668,825.29	13,928,847.03
Miscellaneous	118,688.01	54,391.64	173,079.65
Special Warrant	29,359.18		29,359.18
Total Net Expenditure	\$11,038,232.84	\$53,624,110.90	\$64,662,343.74

### STATEMENT OF REVENUE

Commissions on telegraphs and telephones	\$ 15,660.65		\$ 15,660.65
Sale of material	20,345.65		20,345.65
Rentals	301,319.49		301,319.49
Perquisites	4,175.33		4,175.33
Building Equipment	1,998.00		1,998.00
Miscellaneous	3,831.30		3,831.30
Sale of property		169,310.81	169,310.81
	\$ 347,330.42	\$ 169,310.81	\$ 516,641.23



# STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE, REPAIRS AND CONSTRUCTION OF PUBLIC BUILDINGS

For Fiscal Year Ending March 31st, 1960

## ORDINARY

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
<b>MAIN OFFICE</b>		
Minister's salary .....	\$ 10,000.00	
Salaries .....	946,194.69	
Travelling expenses .....	38,246.05	
Maintenance .....	91,163.68	
Insurance .....	7,123.03	
Local Improvement Taxes, etc. ....	15,633.35	
Unforeseen and unprovided .....	489.75	
Compensation—medical, etc., for injured workmen .....	128,331.76	
Unemployment Insurance Stamps .....	83,736.87	
	\$	1,320,919.18

## ONTARIO GOVERNMENT BUILDINGS

Salaries—Maintenance Staff .....	\$ 2,715,895.16	
Maintenance, fuel, light, etc. ....	746,619.25	
Horticulture and Upkeep of grounds ....	14,424.53	
Communication services .....	591,999.48	
Typewriter servicing—Toronto		
Departmental Offices .....	42,814.36	
Furniture, furnishings and equipment ....	34,635.52	
Repairs, alterations and incidentals ....	2,486,471.70	
	\$ 6,632,860.00	
Deduct Rentals .....	3,000.00	
	\$	6,629,860.00

## LEASED PREMISES

Rentals and expenses .....	\$ 780,038.83
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## MAINTENANCE OF LOCKS, BRIDGES, DAMS AND DOCKS, ETC.

Maintenance .....	\$ 93,539.12
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<i>Service</i>	<i>Amount</i>	<i>Amount</i>
<b>AID TO DRAINAGE</b>		
To provide for grants in aid of drainage work in accordance with The Provincial Aid to Drainage Act, 1954 .....	\$ 774,999.37	
Salaries and expenses in connection with preparing drainage schemes and for construction, improvement or re-construction of trunk channels for farm drainage in Northern Ontario, including expenses in connection with drainage works which may qualify for grants under The Provincial Aid to Drainage Act, 1954 .....	30,807.41	
	<hr/> \$	805,806.78
<b>ONTARIO WATER RESOURCES COMMISSION</b>		
Salaries .....	\$ 895,613.27	
Travelling expenses .....	110,833.15	
Maintenance .....	99,647.53	
Equipment .....	115,781.56	
Laboratory expenses—		
Salaries .....	—	
Maintenance .....	\$ 38,146.23	
	<hr/> \$	1,260,021.74
<b>MISCELLANEOUS</b>		
Preparing and installing exhibits for Government Departments, including costs of electric services and other expenses in connection therewith .....	\$ 66,912.01	
To provide for expenses arising from unforeseen circumstances or for which no provision has been made, as may be directed by the Lieutenant-Governor in Council .....	51,776.00	
	<hr/> \$	118,688.01
<b>SPECIAL WARRANT</b>		
Decorations for the occasion of the visit of Her Majesty The Queen .....	\$	29,359.18
<b>TOTAL ORDINARY EXPENDITURE</b>	<hr/> \$	11,038,232.84

REPORT OF THE DEPARTMENT OF PUBLIC WORKS  
Fiscal Year Ending March 31st, 1960

**CAPITAL**

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
<b>PUBLIC BUILDINGS</b>		
To provide for the construction of new buildings and works, purchase of lands and buildings, alterations, equipment and extension of services to existing buildings and works and the purchase of construction plant and equipment and materials for stores and expenses in connection therewith .....		\$ 40,034,730.98
<b>DAMS, DOCKS AND DRAINAGE WORKS</b>		
Municipal Drainage, including grants in aid thereof .....	\$ 1,488.13	
Storage Dams and Docks .....	864,674.86	
	<hr/>	\$ 866,162.99
<b>ONTARIO WATER RESOURCES COMMISSION</b>		
To provide for the construction and installation of plant and equipment and expenses in connection therewith .....		\$ 12,668,825.29
<b>MISCELLANEOUS</b>		
Aid—Remedial Works, etc.—Grants to provide for purchase of lands, construction of remedial works, to alleviate flooding conditions, erosion of farm lands and other damages and expenses in connection therewith as may be directed by the Lieutenant-Governor in Council .....		\$ 54,391.64
<b>TOTAL CAPITAL EXPENDITURE ....</b>		<hr/> \$ 53,624,110.90



## SUMMARY

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
<b>ORDINARY EXPENDITURE</b>		
Main Office, Maintenance and Repairs of Government Buildings and Ontario Water Resources Commission .....		\$ 11,038,232.84
<b>CAPITAL EXPENDITURE</b>		
Public Buildings, Public Works and Ontario Water Resources Commission ..		\$ 53,624,110.90
		<hr/>
		\$ 64,662,343.74

A. A. EASSON,  
Chief Accountant.

TORONTO,  
March 31st, 1960.

The "Sagamo", one of the last of  
the passenger steamers to operate  
on the Muskoka Lakes.



# REPORT OF THE CHIEF OF CIVIL ENGINEERING

Parliament Buildings,  
Toronto, Ontario,  
March 31st, 1960.

Mr. J. D. Millar,  
Deputy Minister,  
Department of Public Works.

## Re: CIVIL ENGINEERING DIVISION REPORT 1959-1960

The work performed under the supervision of the Chief of Civil Engineering during the fiscal year 1959-60 was as follows:

### 1. HYDRAULIC SECTION

#### (A) DAMS, DOCKS, LOCKS, ETC.

##### Summary:

The investigation, pre-engineering, design, construction, inspection and approval of the work on dams, docks, locks, etc., was done under the direction of the Hydraulic Engineer. All work was performed by day labour, except as may be noted.

The regular maintenance of dams, docks, locks, and navigable channels was carried out and repairs made where necessary. Removal of driftwood and obstructions from the dam sites was continued. Navigation routes and dangerous rocks and shoals were marked with buoys in the Muskoka and Magnetawan areas.

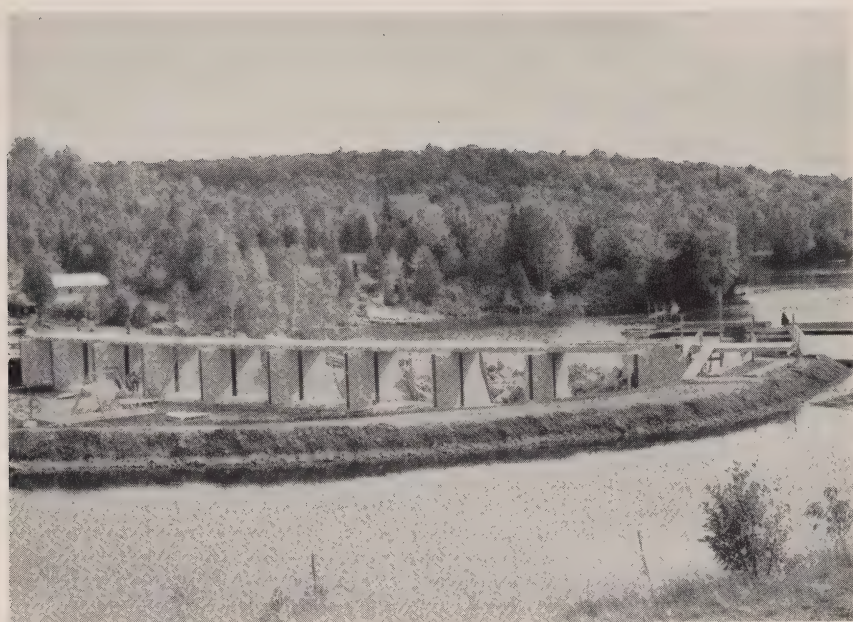
Four concrete dams previously commenced were completed. Five concrete dams, one rock-filled dam and one concrete dock, were started this year and were completed. Work on one shore protection wall was started. These projects are all detailed herein.

Pre-engineering and design work was carried out for projects scheduled for construction during the next fiscal year.

#### **BAYSVILLE DAM, Township of McLean, Muskoka District**

The old masonry dam across the South Branch of Muskoka River at Baysville was built by this Department in 1918 for the control and stabilization of the water level of the Lake of Bays. This control was necessary for summer vacation facilities, fish and wildlife propagation, forest fire protection and hydro-electric power generation. The





View of Dam at Baysville, showing construction progress.

dam is located on property owned by the Hydro Electric Power Commission of Ontario. The masonry dam was built with stone quarried from the river bed at the site. Repairs to the masonry were made in 1951. By 1958 the dam had deteriorated beyond repair.

The new dam was designed by the Civil Engineering Staff of the Department, in reinforced concrete as a curved gravity structure on solid rock. Rock excavation totalling about 4,000 cubic yards was carried out to improve the river channel both upstream and downstream from the dam. The rock was stratified granite with horizontal layers 12 to 15 inches thick. A cut-off trench was excavated at least two feet into the rock along the whole length of the foundation to serve as a key between the bed rock and the concrete foundation of the dam. Because of the seamy nature of the bed rock, grout pipes were installed in the foundation slab to facilitate grouting of the foundation at a later date, if required.

The new reinforced concrete dam is 480 feet long. It has nine 14 foot sluiceways and an overflow wing wall 135 feet long. The head of water retained by the dam, measured from the sluiceway sill to the regulated summer water level is six feet. and the top of the deck is

five feet six inches above that level. The crest of the overflow wing wall is at the elevation of the controlled water level. The total height of the dam averages 14 feet from the bed rock foundation to the top of the deck. The sluiceways are fitted with steel chases and timber stop logs. The deck of the dam is 176 feet four inches long, 12 feet wide and 12 inches thick. A pair of movable winches on steel rails was installed on the deck for operating the stop logs. A steel pipe hand rail combined with wire mesh was installed around the deck for safety of operation. A water level gauge was installed on the west wing wall of the dam. A timber protection boom was installed in front of the dam.

Ready mixed concrete supplied from a mixing plant near Orillia was used in this work. Because of the distance, cement, water and air entraining agent, were added to the aggregate enroute approximately 10 minutes before arrival at the site.

The work of reconstructing the dam was commenced in May, 1959. The sluiceways and the east overflow wing wall of the dam were completed on October 24th, 1959, and from that date, seven of the nine sluiceways were in operation. Concreting of the west wing wall was carried out under low temperature conditions and pre-heating of ready mixed concrete and curing of the concrete with steam, under cover, was applied. Concreting was finished on December 19th, 1959. On March 3rd, 1960, the second stage cofferdam was removed and the dam was put in operation with its full discharge capacity. Minor work of finishing the earth filled banks and some landscaping will be carried out next fiscal year.

The discharge capacity of the new dam is 5,600 cubic feet per second when discharging from the regulated summer water level, which is 87 per cent more than the capacity of the old dam. This should provide for passage of flood flow with a minimum of raising of water levels in the Lake of Bays. However, when regulating the outflow, consideration will be given to the safety of the property located downstream from the dam.

#### **BERNARD LAKE DAM, Township of Strong, Parry Sound District**

The timber dam at the outlet of Bernard Lake was constructed by this Department in 1940. It was repaired in 1951. In 1958 the dam



Bernard Lake Dam

was found to be incapable of maintaining the water level in the lake and regulating the flow in Bernard Creek as required, and the Department of Lands and Forests requested reconstruction of the dam.

The new dam was designed in reinforced concrete by the Civil Engineering Staff of this Department and reconstruction was carried out this fiscal year. The work was completed in September, 1959.

The new dam is based on a layer of clayish sand and silt. Steel sheet piling was selected for ensuring water tightness and stability of the foundation. A rectangle formed of steel sheet pile walls, 101 feet 10 inches long and 24 feet six inches wide, was driven 20 feet into the clayish layer as an enclosure around the foundation slab of the dam. Inside of the enclosure, the silty soil was excavated five feet deep and was replaced by a three foot thick layer of gravel fill. This fill was well consolidated into a carpet of gravel and clayish silt which produced the necessary bearing capacity to serve as a satisfactory base for the concrete foundation of the dam.

The reinforced concrete foundation slab was made 101 feet seven inches long, 24 feet three inches wide and two feet six inches thick.



It was rigidly joined with the steel sheet piling by steel rods embedded in the concrete and bolted to every second pile.

The dam has four 12 foot sluiceways and a discharge valve two feet six inches in diameter. The head of water from the sluiceway sill to the controlled water level is three feet and the top of the deck is four feet six inches above this level. The centre of the valve is 14 inches below the controlled water level. The sluiceways are fitted with steel chases and timber stop logs. The deck of the dam is 77 feet long, 22 feet wide and 16 inches thick. It is designed as a bridge deck for secondary road traffic. It has curbs and railing on both sides for safety of passage and operation of the dam. A pair of movable gear winches on steel rails was installed on the deck for operation of stop logs.

The discharge valve combined with a steel pipe 30 inches in diameter was incorporated in the centre pier of the dam. The valve should provide for a constant flow in Bernard Creek during the dry Summer season with a minimum loss of stored water in the lake. The valve is of cast steel type, fitted with steel slides and a lifting spindle. Steel grating was placed in front of the valve opening to protect the valve against floating timber or ice. A steel pedestal lift was placed on the deck for operation of the valve.

The approaches to the dam on both river banks were constructed with gravel fill to serve as a roadway. Coarser gravel and rock rip-rap were placed where necessary to improve and to reinforce the banks of the river channel upstream and downstream from the dam. Clearing of debris and driftwood was carried out downstream in Bernard Creek for three miles.

#### **BIG LAKE DAM, Sandfield Township, Manitoulin Island**

A temporary plug dam at the outlet of Big Lake was installed last fiscal year. This year, construction of a permanent dam was carried out as requested by the Department of Lands and Forests.

The new dam was constructed with reinforced concrete as designed by the Civil Engineering staff of this department. It is based on limestone. The worn surface was removed and a cut-off trench was excavated at least two feet into solid rock along the whole length of the dam to provide a satisfactory key between the rock and the concrete foundation of the dam.



**Dogpaw Lake Dam, Whitefish Bay, Kenora District.**

The dam is 54 feet long. It has one 16-foot sluiceway fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the maximum water level is four feet and the top of the deck is two feet four inches above this level. The deck of the dam is 24 feet long, 22 feet, two inches wide and 16 inches thick. It was designed for passage of vehicles across the dam. It has curbs and railing on both sides to provide for safety of passage and operation of the dam. A pair of stationary gear winches was installed on the deck for operation of stop logs.

The approaches to the dam were constructed with earth fill and were designed to serve as a roadway. The work was started in March and completed in June, 1959.

#### **DOGPAW LAKE DAM, Whitefish Bay, Kenora District**

Concreting of the sluiceway portion of the dam and construction of the north-east earth-filled wing wall was completed last fiscal year. With the freeze-up in December, 1958, construction was discontinued. This year, the south-west earth-filled wing wall was constructed, the

river channel was improved, cofferdams were removed, the by-pass channel was filled in and the flow was diverted back into the main river channel. The work was completed and the new dam was put in operation in August, 1959.

The new dam is based on volcanic fragmental rock. The deteriorated top layer of rock was removed by excavating six to ten feet below the original river bottom. At that elevation the rock was found to be solid enough to meet the requirements of the foundation.

The reinforced concrete foundation slab of the dam is 110 feet long, 37 feet wide and six feet thick. It is shaped to serve as the floor of a stilling basin. The stilling basin is 31 feet long and 102 feet wide. It is fitted with 24 reinforced concrete stilling blocks each 30 inches long, 20 inches wide and 39 inches high, and an end sill which is 20 inches high.

The total length of the new dam, including the earth-filled wing walls, is 450 feet. The concrete sluiceway portion of the dam is 202 feet long. It has six 14 foot sluiceways. The head of water measured from the sluiceway sill to the regulated water level is 12 feet seven inches, and the top of the deck is four feet five inches above this level. The total height of the dam averages 32 feet from the bed rock foundation to the top of the deck. The sluiceways are fitted with steel chases and timber stop logs. The deck of the dam is 118 feet long, 24 feet wide and 16 inches thick, designed as a bridge deck for secondary road traffic. It has curbs and a hand rail combined with wire mesh on both sides for safety of traffic and operation of the dam. A pair of movable gear winches on steel rails was installed on the deck for operation of stop logs.

The earth-filled wing walls of the dam were constructed with clayish sand and gravel. The clayish material was placed in the upstream portion of the walls to serve as an impervious core. The fill was placed in six inch layers with water added as required and consolidated with a tooth roller.

A carpet of impervious fill 15 feet wide and six feet thick was placed along the front of the sluiceway portion of the dam to provide for water tightness of the foundation.

The river channel was improved both upstream and downstream from the dam. The slopes of the earth-filled banks near the entrance to the sluiceways were reinforced with rock rip-rap. The old timber crib dam was removed and the road across the dam was relocated to



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suit the new location of the dam. The approaches to the new dam were gravelled to serve as a roadway. The site of the new dam was regraded and levelled off. The site was seeded to prevent erosion of the earth fill.

A water level gauge was installed on the south pier and a timber protection boom was installed in front of the dam.

### **GOWGANDA LAKE DAM, Township of Nicol, Temiskaming District**

The Department of Lands and Forests requested the reconstruction of the old timber dam at the outlet of Gowganda Lake. The old dam had deteriorated beyond repair and was no longer capable of maintaining a suitable water level in the lake. The dam was reconstructed with reinforced concrete and earth fill as designed by the Civil Engineering Staff of this Department. The work was started in April and was completed in September 1959.

The new dam is based on a layer of boulderous, silty clay which was found to be stable enough for carrying the weight of the structure if undisturbed but became unstable when disturbed and saturated. Approximately four feet of this material was removed over the whole area of excavation and replaced by a well consolidated layer of clayish gravel. On this stable, impervious layer of gravel fill, the foundation slab of the dam was placed. The reinforced concrete foundation slab is 129 feet long, 26 feet six inches wide and two feet six inches thick. It is shaped in such manner that it serves as the floor of a stilling basin. The stilling basin is 20 feet long and 68 feet wide. It is fitted with 24 reinforced concrete stilling blocks each 15 inches square and 27 inches high, and an end sill which is 15 inches high.

The total length of the dam, including both earth-filled wing walls, is approximately 375 feet. The dam has four sluiceways fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the regulated water level is five feet six inches and the top of the deck is three feet six inches above this level. The deck of the dam is 84 feet long, 12 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of the stop logs. A steel pipe hand rail was installed around the deck for safety of operation. A timber protection boom was installed in front of the dam.

The earth-filled wing walls of the dam were constructed with gravel and clayish gravel. The upstream part of the wing walls was made of consolidated clayish gravel to serve as an impervious fill. The downstream portion of the wing walls was made of coarser gravel and the downstream toe of the earth-filled embankment was reinforced with rock fill. The earth fill was placed in six inch layers and well consolidated. A carpet of impervious fill up to 20 feet wide and five feet thick was placed along the front of the sluiceway portion of the dam. The earth-filled cones at the entrance to the sluiceways were reinforced with stone rip-rap. Stone rip-rap was also used for reinforcing the river bottom and the banks downstream from the stilling basin of the dam, the outflow channel was improved by removing the remnants of an old timber power dam approximately 300 yards downstream, and deepening and widening the existing channel. Both banks of the channel were regraded and gravel fill and rock rip-rap was placed where necessary.

#### **HARRIS LAKE DAMS, Wallbridge Township, Parry Sound District**

Of the five small dams which comprise the system of Harris Lake Dams, the "American Trail" dam was reconstructed last fiscal year. This year, work on reconstructing the remaining four dams at the outlet of Harris Lake was carried out. The project was completed in September, 1959.

A timber crib overflow dam was constructed across the main outlet channel. It is 56 feet long and five feet high. Across two secondary outlets small concrete overflow dams were constructed. One of them is 33 feet long and two feet high. The second dam is 110 feet long and three feet high. This dam is equipped with one 12 foot opening which has a sill elevation one foot below the crest of the dam. The opening has one 12-inch stop log which can be removed to allow lowering of the lake during the winter period. The fourth outlet from the lake was closed with a rock and gravel filled plug dam which is 80 feet long and five feet high.

The crests of the overflow dams are at the elevation of the controlled water level on Harris Lake. During periods of high flow the discharge out of the lake is passed across the crest of these three dams. The plug dam has its crest 18 inches above the high water mark.

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### **HIGH DAM, Finlayson Township, Nipissing District**

The rock-filled timber crib dam across Mink Creek at the outlet of Minnow Lake in the Big East River area was found to be deteriorated beyond repair. A rock-filled porous dam was designed by the Civil Engineering Staff of this Department as a replacement. The construction work was carried out during winter and was completed in March, 1960.

The new dam is 95 feet long, 18 feet wide on the top, and up to 14 feet high. It is composed of rock and gravel fill. A portion of the rock-filled embankment was left uncovered for passing water through the voids of the rock fill. The remainder of the embankment was made water-tight by placing gravel fill in front of the rock fill.

This dam is capable of storing up to 2,500 acre feet of water. The water stored during the flood should slowly dissipate through the porous rock fill of the dam. This should reduce the maximum flow in the river downstream from the dam and should feed the river for a period of time after the flood is over.

### **SHORE PROTECTION AT ONTARIO PROVINCIAL POLICE GARAGE, KENORA**

For protection of the grounds against further erosion, a shore protection wall of steel sheet piling with rock and gravel backfill was designed by the Civil Engineering Staff of this Department.

The construction was started in October, 1959, and driving of steel sheet piling, trimming of the piling, and welding of the whalers and the cap was completed. The total length of the sheet pile wall is 183 feet and maximum length of the piling is 28 feet.

The work was discontinued because of cold weather and placing of the tie rods, constructing of the anchor walls and back filling, will be carried out next fiscal year as soon as weather conditions permit.

### **LADY EVELYN RIVER (MONTREAL RIVER) DOCK, Barr Township, Timiskaming**

At the request of the Department of Lands and Forests, a dock was constructed to replace the old timber dock which was 75 per cent destroyed during Hurricane Audrey in July, 1957.



The design of a new dock was developed by the Civil Engineering Staff of this Department and the construction was completed in October, 1959. Due to the movement of heavy vehicles across it, the dock was designed as a reinforced concrete and earth fill retaining structure. The river at this point is subject to a wide fluctuation in water levels and to provide for this the dock was built as a two-level structure.

There was no access road to the site and all equipment and materials were transported by barge approximately a half mile across the Montreal and Lady Evelyn Rivers.

The structure has an overall length of 173 feet of which 92 feet is for low level docking and 81 feet for high level docking and heavy barges. The concrete retaining walls of the dock are three feet thick and average seven feet in height. The concrete was poured into forms placed in the water, as the depths of water and contour of the river bottom at the site made the cost of de-watering prohibitive. The wall is anchored to the river bottom by rock bolts spaced every four feet and buttress walls placed every 20 feet, provide additional stability for the wall on the sharp sloping river bottom. On the south side and attached to the new dock, a 16 feet wide ramp was constructed to facilitate portaging of the large number of boats which use the dock.

Coarse gravel fill was placed behind the concrete retaining walls and ramp. The fill was graded and contoured to provide a level landing area and easy approach to the portage road leading to Lady Evelyn Lake.

The dock is equipped with hardwood fenders to protect small landing craft. Heavy timber bumpers were provided on a 25 foot section of the high level dock to serve as a rubbing strike for the steel barges. The dock is equipped with mooring bollards.

#### **Longbow Lake Dam, Kirkup Township, Kenora District**

Improvement of the access road to the dam, erection of the camp buildings and preparation of the construction site was carried out last fiscal year. This year, the work of reconstructing the dam was brought to completion and the dam was put in operation in November, 1959.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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The project comprises a reinforced concrete dam with a bridge deck for passage of road traffic and a roller portage for passage of boats between Longbow Lake and Lake of the Woods. The design of the new structure was developed by the Civil Engineering Staff of this Department.

The dam is based on solid rock. The worn surface of the rock was removed by blasting to provide for satisfactory bond between the rock and the concrete foundation of the dam.

The new dam is 76 feet long. It has one 12-foot sluiceway, a discharge valve 24 inches in diameter and a 12 foot wide opening for the roller portage. The head of water retained by the dam, measured from the sluiceway sill to the controlled water level, is five feet, and the top of the deck is eight feet eight inches above this level. The centre of the valve is three feet three inches below the controlled water level. The total height of the dam is 20 feet from the bed rock foundation to the top of the deck.

The sluiceway is fitted with steel chases and timber stop logs. The discharge valve, combined with a 24 inch diameter steel pipe, is incorporated in the centre pier of the structure. The valve is of cast steel type, fitted with steel slides and a lifting spindle. Steel grating was placed in front of the valve opening to protect the valve from floating timber and ice.

The deck of the dam is 36 feet long, 20 feet wide and 16 inches thick. It is designed as a bridge deck for secondary road traffic. It has curbs and railing on both sides for safety of traffic and operation of the dam. A pair of stationary gear winches was placed on the deck for operation of the stop logs and a steel pedestal lift was placed on an extension of the deck for operation of the valve.

The portage consists of a timber deck placed on timber stringers which rest on concrete piers. The deck of the portage is 125 feet long and 12 feet wide. Timber rollers were installed in the centre portion of the deck and walkways protected by a steel pipe hand rail were arranged along both sides of the deck.

A water level gauge was installed on the west pier and a protection boom was installed in front of the dam.



Oxford Mills Dam

#### **OXFORD MILLS DAM, Oxford Township, Grenville County**

The old masonry dam across Kemptville Creek (a branch of Rideau River) was originally built to generate power for a grist mill which has been operating since 1843. In recent years the mill had operated very little and the dam had fallen into disrepair. The discharge capacity of the dam was inadequate, which caused considerable flooding of farm land upstream of the dam each spring. In 1958 the Department of Lands and Forests requested reconstruction of the dam.

The site of the old grist mill, comprising one and a half acres of land, was purchased by this Department in 1958 and the reconstruction of the dam was carried out this fiscal year. The design of the new dam was developed by the Civil Engineering Staff of this Department. Construction was commenced in April, 1959, and in November, 1959 the new dam was put in operation. Some masonry work on facing the east wing wall with limestone was left uncompleted because of cold weather and will be completed early next summer.

The new dam is of reinforced concrete, faced with local limestone so that the dam would blend with the buildings around the site, which were built of the same stone.



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The dam is based on a layer of limestone. The weathered surface of the rock was removed by blasting and a trench two to eight feet deep was excavated to cut off the seams in the rock and to form a key for the foundation of the dam. The concrete foundation slab under the sluiceway of the dam was made 66 feet long, 20 feet six inches wide and two to three feet thick.

The total length of the dam, including wing walls, is 234 feet. The dam has three 14-foot sluiceways. The head of water from the sluiceway sill to the controlled water level is eight feet six inches, and the top of the deck is four feet six inches above this level. The sluiceways are fitted with steel chases and timber stop logs. The deck of the dam is 66 feet long, 15 feet two inches wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operating the stop logs. A steel pipe hand rail was installed around the deck for safety of operation.

Local grey limestone, quarried on the site, was used for facing the downstream side of the dam. This stone was found to be very hard and durable. It was dressed to shape, laid in cement mortar and anchored to the reinforced concrete by dovetail anchors attached to the concrete on adjustable slots. The masonry facing is 10 to 12 inches thick. Impervious fill of clayish gravel was placed in the front of the west wing wall and the sluiceway sills of the dam. A water level gauge was installed on the east pier.

The banks on both sides of the entrance to the dam and the outflow channel were cleared of brush and debris to maintain the appearance of the site.

### **PALMERSTON LAKE DAM, South Canonto Township, Frontenac County**

The existing concrete dam at the outlet of Palmerston Lake was built by this Department in 1941 to replace an old timber dam. In 1958, the concrete dam was found to be beyond repair and the Department of Lands and Forests requested its reconstruction.

The dam was reconstructed with reinforced concrete as designed by the Civil Engineering Staff of this Department. The work was commenced in April and was completed in September, 1959.

The new dam rests on a reinforced concrete foundation slab which is 55 feet long, 22 feet six inches wide and two feet thick. The foundation slab is based on a layer of dense glacial till.

The dam is 54 feet long. It has one 14-foot sluiceway fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the controlled water level is six feet and the deck of the dam is four feet above this level. The deck of the dam is 22 feet long, 21 feet six inches wide and 16 inches thick, and is designed as a bridge for secondary road traffic. It has curbs and railing on both sides for traffic safety and for safe operation of the dam. A pair of stationary gear winches was placed on the deck to operate the stop logs.

An 18 inch diameter steel pipe was placed through the north wing wall of the dam to provide for water supply to the properties located downstream from the dam, as was provided previously through the old dam.

A timber log protection boom was installed in front of the dam and a water level gauge was installed on the south wing wall.

The approaches to the dam were paved and gravelled to serve as a roadway. The slopes of the earth-filled embankments were reinforced with rock rip-rap both upstream and downstream of the dam. The outflow channel was cleared of debris and widened as necessary for maximum flow.

#### **PORT CARLING LOCKS, Muskoka District**

In January, 1959, work was commenced on reconstruction of a floating dock located at the north-west corner of the locks. The old timber dock had lost its buoyancy and was considered dangerous for landing. The project also includes construction of eight smaller floating docks as an addition to the existing permanent dock located at the north-east corner of the locks. The work is scheduled to be completed in May, 1960, before the beginning of the next tourist season.

#### **CURRENT REPAIRS AND MINOR CONSTRUCTION WORK**

Regular maintenance of dams, docks, locks and navigable channels was carried out, and repair and minor construction work, including the overhauling of stop log winches and the painting of steel parts of dams, locks and swing bridges, was carried out where necessary.

#### **AHMIC LAKE DAMS, Parry Sound District**

A concrete plug wall in one of the openings of the Knoephli Dam was removed and steel chases for stop logs were installed to

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transform the opening into an additional sluiceway of the dam. The timber deck of the dam was renewed.

### **AXE CREEK DAM, Muskoka District**

Repairs were made to the concrete piers and the stop log chases of the dam.

### **BALA (NORTH) DAM, Muskoka District**

The cavities under the concrete piers and sills which were caused by erosion of concrete and bed rock were filled with concrete along the downstream side of the dam.

### **BLIND RIVER DAMS, Algoma District**

Repairs were made to the timber crib plug dam across the west arm of the river. The damaged cribs were renewed and refilled with rock. Gravel backfill was placed where necessary. Stop log winches and the hand rail were repainted on the main dam.

### **HUNTSVILLE LOCKS, Muskoka District**

The locks were de-watered and cleaned out, damaged sills were repaired and the gates refitted.

### **KAHSHE LAKE DAM, Muskoka District**

The stop log lifting supports were replaced and the timber deck renewed.

### **LAUZON LAKE DAM, Algoma District**

The stop log winches were replaced by four new winches with a safe braking mechanism.

### **MAGNETAWAN LOCKS AND DAMS, Parry Sound District**

The timber dock at the north entrance of the locks was lowered to the elevation of eighteen inches above the regulated summer water level. The deteriorated timber stringers were renewed and a new plank deck was installed. The gears of the swing bridge were repaired and all steel parts of the bridge were repainted.



### **MATINENDA LAKE DAM, Algoma District**

The four winches for operating stop logs were replaced by new winches with a safe-braking mechanism. A steel pipe hand rail was installed around the deck for safety of operation.

### **MUD LAKE DAM, Parry Sound District**

Timber sheeting was renewed and additional impervious fill placed along the front of the dam.

### **PORT CARLING LOCKS, Muskoka District**

The small lock was de-watered and cleaned out and the gates were sealed with rubber where necessary. Stop logs were renewed at both ends of the lock. The old theatre building was removed and the grounds were levelled and sodded. The swing span and the permanent span of the steel bridge were repainted.

### **PORT SANDFIELD BRIDGE, Muskoka District**

The steel swing bridge was repainted.

Minor repairs, adjusting of winches, painting of steel parts, replacing of stop logs, etc., were made to 27 other dams. Timber protection booms were repaired and replaced in front of 18 dams. Driftwood was removed from 30 dams. The construction equipment was overhauled and repaired and made ready for use in the ensuing season.

## **(B) AIDS TO NAVIGATION**

Two hundred and thirty floating buoys, 60 spar buoys and 12 rock signs, were placed on the navigation routes in the areas of Lakes Muskoka, Rosseau and Josoph; 50 floating buoys were placed in Ahmic Lake, Lake Cecebe and the Magnetawan River; and 46 floating buoys were placed in Lake Vernon, Peninsula and Fairy Lakes, the Muskoka River and Mary Lake.

## **(C) LOCKAGES**

The records of watercraft which were passed through the three locks operated by the Provincial Government were as follows:

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	<i>Steamers</i>	<i>Boats Over</i>	<i>Small</i> <i>Boats</i>	<i>Scows</i>	<i>Total</i>
		<i>30 ft. in</i> <i>length</i>			
Port Carling .....	—	877	9,545	28	10,450
Huntsville .....	—		1,358	—	1,358
Magnetawan .....	—		615	1	616
		<hr/>	<hr/>	<hr/>	<hr/>
		877	11,518	29	12,424
		<hr/>	<hr/>	<hr/>	<hr/>

It will be noted that for the first time in nearly 100 years, there were no passenger steam boats operated in the Muskoka Lakes. Apparently the increase in road traffic has made steam boat operation uneconomical, and has thus forced its cessation.

## (D) REMEDIAL WORKS

Grants paid to Municipalities for flood relief, etc.:

<i>County or District</i>	<i>Township</i>	<i>Amount</i>
Essex	Maidstone	\$ 16,664.32
Kent	Harwich	1,000.00
Lambton	Sarnia	23,676.56
Nipissing	East Ferris	117.40
Simcoe	Flos	5,433.36
Temiskaming	Teck	7,500.00
		<hr/>
		\$ 54,391.64

## 2. DRAINAGE SECTION

### (A) PROVINCIAL AID TO DRAINAGE

Grants paid during the fiscal year 1959-60 to organized municipalities.

<i>County</i>	<i>Township</i>	<i>No. of</i> <i>Grants</i> <i>Paid</i>	<i>Amount</i> <i>of</i> <i>Grants</i>
Brant	Brantford	1	\$ 3,277.49
Brant	Burford	4	3,866.48
Bruce	Arran	2	5,550.94
Bruce	Bruce	3	3,822.49
Bruce	Carrick	3	6,566.52
Bruce	Elderslie	1	1,569.53

<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Bruce	Huron	2	1,775.46
Bruce	Kinloss	3	3,129.14
Bruce	Lindsay	1	1,551.67
Carleton	Gloucester	1	1,195.85
Carleton	North Gower	2	2,915.81
Carleton	Richmond (Village)	1	106.83
Dufferin	Amaranth	8	3,056.81
Dufferin	East Luther	3	832.35
Dufferin	Melancthon	2	1,193.16
Dundas	Matilda	1	1,779.97
Dundas	Mountain	2	1,718.27
Dundas	Williamsburg	2	1,402.86
Dundas	Winchester	3	3,568.12
Elgin	Aldborough	12	7,483.88
Elgin	Bayham	2	960.58
Elgin	Dunwich	7	3,488.12
Elgin	Malahide	1	313.04
Elgin	South Dorchester	5	4,407.50
Elgin	Southwold	4	5,699.11
Essex	Anderdon	7	4,246.73
Essex	Colchester North	6	5,077.29
Essex	Colchester South	4	4,929.63
Essex	Gosfield North	18	10,966.94
Essex	Gosfield South	17	16,318.26
Essex	Maidstone	7	9,356.81
Essex	Malden	3	2,220.11
Essex	Mersea	21	29,232.13
Essex	Pelee	1	375.33
Essex	Rochester	1	1,223.46
Essex	Sandwich East	1	149.98
Essex	Sandwich South	6	6,037.36
Essex	Tilbury North	2	1,244.90
Essex	Tilbury West	13	14,709.06
Glengarry	Charlottenburgh	11	22,042.26
Glengarry	Lancaster	4	4,153.12
Glengarry	Lochiel	3	7,868.95
Grey	Derby	1	1,064.21
Grey	Normanby	1	4,382.18
Haldimand	Moulton	2	3,051.42



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<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Huron	Ashfield	3	9,970.00
Huron	Grey	4	1,651.05
Huron	Howick	3	1,117.91
Huron	Hullett	2	2,029.30
Huron	McKillop	3	4,303.15
Huron	Stanley	3	6,924.25
Huron	Stephen	3	4,379.89
Huron	Tuckersmith	3	8,061.94
Huron	Turnberry	4	3,097.46
Huron	Usborne	3	4,186.25
Kent	Camden	9	5,166.71
Kent	Chatham (City)	1	436.48
Kent	Chatham	33	34,223.44
Kent	Dover	16	13,343.26
Kent	Harwich	18	14,678.00
Kent	Howard	4	1,803.10
Kent	Orford	5	2,199.82
Kent	Raleigh	17	8,813.49
Kent	Romney	2	4,896.67
Kent	Tilbury East	11	11,672.33
Kent	Zone	8	4,229.35
Lambton	Arkona (Village)	1	615.91
Lambton	Bosanquet	8	8,316.59
Lambton	Brooke	10	19,202.52
Lambton	Dawn	5	3,871.41
Lambton	Enniskillen	11	8,597.07
Lambton	Euphemia	6	5,121.70
Lambton	Moore	33	42,337.52
Lambton	Plympton	11	10,015.26
Lambton	Sarnia	6	9,966.40
Lambton	Sombra	10	6,975.15
Lambton	Warwick	9	9,972.73
Lincoln	Niagara	1	655.35
Middlesex	Adelaide	2	2,168.70
Middlesex	Biddulph	4	17,770.22
Middlesex	Caradoc	2	3,349.48

<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Middlesex	East Williams	3	2,080.44
Middlesex	Ekfrid	12	5,576.34
Middlesex	Lobo	1	16,649.40
Middlesex	London	7	7,749.51
Middlesex	McGillivray	4	8,954.40
Middlesex	Metcalfe	9	11,725.29
Middlesex	Mosa	3	3,571.05
Middlesex	North Dorchester	2	3,325.87
Middlesex	West Nissouri	2	15,255.24
Norfolk	Charlotteville	1	4,235.94
Norfolk	Houghton	1	1,308.83
Norfolk	Middleton	4	4,116.76
Norfolk	North Walsingham	2	1,423.14
Norfolk	Windham	2	2,760.08
Norfolk	Woodhouse	1	1,109.70
Oxford	Blandford	1	350.00
Oxford	Blenheim	1	1,066.40
Oxford	Dereham	1	2,685.18
Oxford	East Nissouri	4	9,735.40
Oxford	East Zorra	2	1,028.35
Oxford	North Norwich	3	2,580.60
Oxford	North Oxford	1	136.67
Oxford	South Norwich	1	1,384.77
Oxford	West Oxford	2	1,423.82
Oxford	West Zorra	1	489.10
Perth	Blanshard	5	3,167.72
Perth	Downie	4	2,937.26
Perth	Ellice	7	3,489.08
Perth	Elma	3	2,025.58
Perth	Fullarton	1	3,707.34
Perth	Hibbert	1	1,501.77
Perth	Logan	6	6,449.24
Perth	Mornington	3	4,515.46
Perth	North Easthope	3	2,457.15
Perth	South Easthope	2	472.18
Perth	Wallace	6	15,334.54
Prescott	Caledonia	1	961.33
Prescott	Longueuil	1	17,140.46
Russell	Cambridge	1	1,768.68

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<i>County</i>	<i>Township</i>	<i>No. of Grants Paid</i>	<i>Amount of Grants</i>
Russell	Clarence	6	15,506.90
Simcoe	Innisfil	2	9,587.57
Simcoe	West Gwillimbury	1	19,702.37
Stormont	Cornwall	1	716.68
Stormont	Osnabruck	1	583.01
Stormont	Roxborough	5	6,973.95
Waterloo	Wellesley	5	6,261.55
Welland	Bertie	1	763.56
Welland	Wainfleet	3	4,225.20
Wellington	Minto	6	8,099.48
York	King	5	651.11
Algoma (District)	Thessalon	1	2,399.30
Muskoka (District)	Muskoka	1	2,947.72
Parry Sound (District)	South Himsworth	1	3,928.93
Total		633	\$774,999.37

## FINANCIAL ASSISTANCE TO TERRITORIAL DISTRICTS

### Non-Municipal

The Provincial Aid to Drainage Act, 1954, provides for financial assistance up to 80 per cent of the cost of approved drainage works in unorganized Townships in Territorial Districts and Provisional County. The remaining 20 per cent of the cost is paid by the owners of the benefiting lands. Financial assistance under the provisions of the Provincial Aid to Drainage Act, 1954, amounted to \$7,715.21 on six drainage projects, as follows:

<i>District</i>	<i>Township</i>	<i>Amount</i>
Cochrane	Kendall	\$ 530.86
Cochrane	Kendall	242.44
Cochrane	Lowther	483.45
Cochrane	Owens	4,283.76
Cochrane	Williamson	1,068.32
Sudbury	Louise	1,106.38
		<hr/>
		\$7,715.21



**(B) MUNICIPAL DRAINAGE**  
**GRANTS PAID TO ORGANIZED MUNICIPALITIES**

Grants totalling \$1,488.13 were paid in aid of Municipal Drainage in the following locations:

<i>County</i>	<i>Township</i>	<i>Amount</i>
Peterborough	Lakefield (Village)	\$1,000.00
Renfrew	Alice and Fraser	135.63
Renfrew	Stafford	100.00
Simcoe	Tay	252.50
		<hr/>
		\$1,488.13

**3. ROADS SECTION**

The work performed by the Roads Section of the Civil Engineering Division during the fiscal year 1959-60 was as follows:  
**Summary**

New construction, repair and improvement work on roads, parking areas, sidewalks, curbs, etc., involved an expenditure of nearly \$700,000.00.

**DEPARTMENT OF AGRICULTURE**

**Guelph, Ontario Veterinary College**  
**New Medical Research Building**

A contract was let during May for the construction of pavements, sidewalks, etc., completing the work that was called in 1958. This included approximately 14,000 sq. yds. of hard-surfacing. In addition, the grounds around the new building were sodded and shrubs and trees planted in time for the official opening in July.

**Research Unit**

A contract was let and completed during November for the construction of gravel entrance and access roads.

**Guelph, Ontario Agricultural College**  
**MacDonald Institute**

A play area was constructed for the kindergarten class consisting of 200 sq. yds. of asphalt surfacing.

## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1960

### **Bradford, Fruit and Vegetable Inspection Station**

A level site was built up on the west side of Highway 11, south of Bradford to locate the new Inspection Station. The work consisted of clearing an area of approximately 3 acres of trees and undergrowth, then bringing in gravel to build the level up to that of the highway.

### **NEW LISKEARD, DEMONSTRATION FARM**

The front drive and various locations on the property, being in disrepair, were reconstructed. Due to the onset of cold weather, only the base course of asphalt was laid.

### **VINELAND, HORTICULTURAL EXPERIMENT STATION**

New gravel roads were constructed on the farm property south of the Queen Elizabeth Way. The work consisted of excavation, gravel fill and the installation of culverts. In addition, a new sidewalk was laid around the Administration Building.

### **DEPARTMENT OF THE ATTORNEY GENERAL**

#### **Port Arthur, District Jail**

Front and rear entrances, a parking area and a roadway around the rear of the jail were graded and hard-surfaced. In addition, a paved walking track inside the exercise yard was provided.

#### **Sudbury Courthouse**

The entrance drive and the parking lot at the rear of the building were graded and paved. Smelter slag was used for the aggregates in the asphalt after laboratory tests showed its practicability.

#### **Blind River, Ontario Provincial Police**

Curbing on the drive and the parking lot in front of the building was removed to facilitate drainage. These areas were regraded and gravelled to improve the surface and appearance. The grounds were levelled and many large boulders removed for future landscaping.

#### **Killaloe, Ontario Provincial Police**

An area of approximately 1,300 sq. yds. was regraded and paved in front of the building to alleviate dusty conditions and facilitate snow removal.

#### **Tillsonburg, Ontario Provincial Police**

A catch basin and drain were provided for drainage purposes and the entrance drive was regraded with granular material.

#### **Whitby, Ontario Provincial Police**

The entrance roads at the front and rear of the new Detachment Building were regraded, compacted and hard-surfaced to improve appearance and safety.

### **DEPARTMENT OF EDUCATION**

#### **Belleville, Ontario School for the Deaf**

Paving was carried out in various locations at the School. Roads were widened to a minimum of 18 feet. Included also was the provision of parking lots for staff and visitors, new construction and improvement of sidewalks and curbs, and a large area was landscaped for a play area.

#### **Longford Mills, Ontario Athletic Training Centre**

A new gravel road was constructed into the centre at south end of the property. This eliminated a dangerous level crossing. In addition, three tennis courts were hard surfaced.

#### **North Bay, Teachers' College**

A parking area of approximately 500 sq. yds. was constructed at the Fraser Street entrance which included excavation, granular fill and hard-surfacing.

### **DEPARTMENT OF HEALTH**

#### **Goderich, Ontario Hospital**

A drainage ditch was constructed on the property to intercept surface water that would be deleterious to the construction site. The length was approximately three quarters of a mile.



## REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1960

### **Kingston, Ontario Hospital**

The grounds around the newly constructed Westwood Division were landscaped to enhance the natural setting and provide walking and sitting out areas for the patients. All locations inside the perimeter road were sodded and the remaining outer areas were planted with seed.

### **New Toronto, Ontario Hospital**

The west entrance road was resurfaced and widened to accommodate the increased volume of traffic. The work involved an area of approximately 2,200 sq. yds.

### **Penetanguishene, Ontario Hospital**

The existing road leading to the New Criminally Insane Building was extended approximately 500 feet. Curbing and drainage facilities were provided and the road hard surfaced. Portions of roads around other hospital buildings were paved and the existing staff parking lot was improved.

### **Port Arthur, Ontario Hospital**

The open drainage ditch at the rear of the hospital was eliminated with the installation of a sewer in its place. This alleviated a serious hazard for patients and greatly improved drainage in the soft muskeg ground.

A staff parking lot was constructed and various areas around the kitchen, power house and laundry were paved.

### **Smiths Falls, Ontario Hospital School**

Realignment, grading and hard-surfacing were carried out on all the gravel roads leading into and around the hospital. Parking lots were constructed for staff and visitors with plug in units at the Nurses' Residence. Items used in the contract were, in part, 38,280 tons of aggregates, 66,510 square yards of paving, 2,073 lineal feet of concrete sidewalk and 11,000 lineal feet of white traffic marking paint.

### **Thistletown, Ontario Hospital**

The main entrance road, service entrance, a new parking lot and a tennis court were graded and paved constituting an area of over 20,000 square yards. Ditches were deepened for better drainage, and sidewalks and curbs constructed where necessary.

### **Whitby, Ontario Hospital**

Two entrances, the front drive, an ambulance entrance and a staff and visitor parking lot were constructed to serve the new wing at the hospital. Due to the lateness of the season, only the base course of asphalt was laid, with the remainder to be carried over to 1960.

### **Woodstock, Ontario Hospital**

A sports field to the rear of the new T.B. unit was levelled and seeded for use by the patients. In addition the grounds around the building were sodded. This work was carried out over an area of approximately 42,000 square yards.

## **DEPARTMENT OF LANDS AND FORESTS**

### **Maple Research Division**

Road widening was carried out at various locations to improve vehicular safety.

### **Port Arthur, Air Base**

The entrance drive, parking area and the helicopter landing pad were hard-surfaced to reduce dust and subsequent damage to aircraft.

### **Port Arthur, District Office**

Drainage facilities were improved and the entrance yard around the building was paved for car parking.

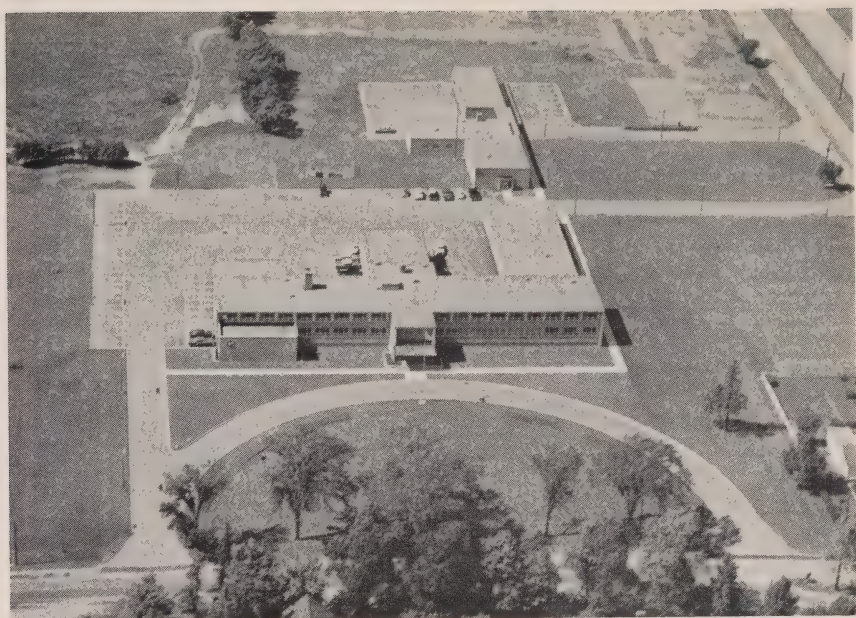
## **DEPARTMENT OF PUBLIC WORKS**

### **Lindsay, Ontario Government Buildings**

Roads, parking lots, curbs, sidewalks and drainage facilities were designed and constructed at the new buildings. This included a semi-circular drive in front of the main building and an entrance to the incomplete Provincial Police Detachment building.

### **McFarlane Lake, Ontario Government Buildings**

A contract was let for road grading and the supply of granular fill around the Department of Public Works Building. The operations were in preparation for paving and to bring the grounds up to proper grade.



Ontario Government Building, Lindsay, showing new roads, walks, curbs, parking areas and landscaping.

### **Mimico, Equipment Buildings**

Four entrances, drives, parking and loading areas were paved to reduce dusty conditions and improve the appearance of the buildings. The work included approximately 15,000 square yards of asphalt and 1,000 lineal feet of curb.

### **Toronto, Parliament Buildings**

General repairs and improvements were started late in the construction season with the remaining work to be completed in the Spring of 1960. The south side of the semi-circular drive fronting the main buildings was raised to prevent cars getting stuck in the winter. Work yet to be finished includes resurfacing of all pavements around the main buildings and regrading and replacement of stone sidewalks and curbs.

## **DEPARTMENT OF REFORM INSTITUTIONS**

### **Brampton, Ontario Training School for Women**

The driveway to the rear of the school and a parking lot were constructed and paved. In addition the grounds inside the perimeter road were sodded and trees and shrubs planted.



### **Millbrook, Ontario Reformatory**

Repairs were made at various locations to build up depressions and resurface trench cuts.

### **DEPARTMENT OF TRANSPORT**

#### **Downsview, Driver Examination Centre**

The access road from Keele Street to the new Test Centre was regraded and surface treated with emulsified asphalt. This is intended for temporary use until a permanent road is designed.

### **4. LANDSCAPING SECTION**

The work performed by the Landscaping section of the Civil Engineering Division during the fiscal year 1959-60 was as follows:

### **DEPARTMENT OF AGRICULTURE**

#### **Guelph, Ontario Veterinary College New Medical Research Building**

A system of underdrainage was installed at the front of the new Medical Research Building and the grounds were sodded and landscaped in time for the official opening in July.

### **DEPARTMENT OF EDUCATION**

#### **Belleville, Ontario School for the Deaf**

Several large areas were cleared of weeds and graded then seeded to form substantial recreation areas, all areas about the buildings were either seeded or sodded.

#### **New Toronto Teachers' College**

The grounds were graded and entirely sodded, shrubs and trees planted.

### **DEPARTMENT OF HEALTH**

#### **Kingston, Ontario Hospital**

The grounds adjacent to the laundry were terraced and prepared for sodding.



Ontario Hospital, Smiths Falls, new type of pre-cast curbing.

The grounds around the newly constructed Westwood Division, some 30 acres, were graded, tile drainage installed where necessary, and six acres were sodded for the use of patients, the remainder of the grounds were prepared for seeding.

#### **Penetanguishene, Ontario Hospital**

The grounds fronting the new addition were graded and sodded.

#### **Smiths Falls, Ontario Hospital**

Grading and terracing was completed along the roadway leading to the Administration Building and Nurses' Residence for a distance of 1,500 feet and prepared for sodding, most of which was completed before winter weather halted the work.

#### **Woodstock, Ontario Hospital**

The entire area surrounding the new T.B. unit was graded, using material on the job site, then sodded, in addition to playing field 500 x 1,000 feet was graded, levelled and seeded, several additional acres were treated similarly.

## **DEPARTMENT OF PUBLIC WORKS**

### **Lindsay, Ontario Government Services Building**

The area in front of the building was levelled and sodded and the balance of the property around the building, including the O.P.P. Detachment Headquarters, was graded and seeded, shrubs and evergreens were planted for landscape effect.

### **Toronto Parliament Buildings**

General repairs to existing sodded areas including seeding and fertilizing, approximately 12,000 square feet of flower beds were planted to tulips and flowers.

## **DEPARTMENT OF REFORM INSTITUTIONS**

### **Brampton, Ontario Training School for Women**

The grounds inside the perimeter road were sodded and trees and shrubs planted, also a number of permanent flower beds were established.

## **DEPARTMENT OF TRANSPORT**

### **Downsview, Driver Examination Centre**

The grounds were graded and terraced and approximately 23,000 square yards of sod laid and fertilized.

## **DEPARTMENT OF TRAVEL & PUBLICITY**

### **Reception Centre, Point Edward, Ontario**

A 600 square foot flower bed was planted to tulips for spring display, after which it was planted to summer flowers. Flowering plants and shrubs were planted in a new arrangement 15 feet wide by 600 feet long to further beautify the building and surroundings.

### **Niagara Falls, Reception Centre**

The lawn area was reseeded and flower beds were kept filled with suitable flowering plants, fertilizer was applied to the grounds.





Ontario Provincial Police Detachment, Sturgeon Falls, roads, curbs and parking area.

## **DEPARTMENT OF ATTORNEY GENERAL**

### **Port Credit, Ontario Provincial Police**

Landscaping was completed and new flower beds were installed.

### **Barrie, Ontario Provincial Police**

Landscaping was completed, including sodding, seeding and shrubbery.

### **Bracebridge, Registry Office Building**

The grounds were overhauled and sodded, shrubs were planted along sides and at rear, evergreens were planted at front to complete the landscaping.

### **Sault Ste. Marie, Registry Office Building**

The grounds were graded and terraced, then sodded and fertilized, suitable shrubs were planted to complete the landscaping.

## Metropolitan Toronto

This area is divided into east and west districts and year-round grounds maintenance is carried out throughout this area which includes 55,000 square yards of parking area and 25,000 square yards of sidewalks and entrances to buildings which must be kept clean in summer and clear of snow and ice in winter. In summer 140,000 square yards of lawn area are maintained including terraced, banked and level grounds, in addition trees, shrubs, hedges and flower beds receive constant care and maintenance.

## Canadian National Exhibition

The Ontario Government Building is landscaped inside and maintained during the Exhibition period, trees, shrubs, sod, foliage and flowers are used throughout.

The Landscaping Section was incorporated with the Civil Engineering Division midway in the year.

## 5. LAND SURVEY SECTION

The following survey work was carried out by the Land Survey section during the fiscal year:

<i>Project</i>	<i>Type of Survey</i>
Adolphustown L&F Park	Boundary
Baysville Dam	"
Belleville School for the Deaf	" and architectural
Brantford School for Blind Assembly Hall	"
Brighton Agricultural School	"
Brockville Ontario Hospital sale	"
Burlington DHO	"
Burt Twp. L&F Tree Nursery	"
Byron	"
Cedar Springs O.H.T.S.	"
Dryden L&F Tree Nursery	"
Dryden OPP	"
Enniskillen OPP.	Topographical
Geraldton L&F Office Bldg.	"
Goderich Ontario Hospital	"
Gowganda Lake Dam	"
Guelph OAC-OVC	"
Kapuskasing OPP.	"
Kingston Twp. OPP.	"

# REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1960

## Project

## Type of Survey

Kirkland Lake OPP.	Boundary
Korah Twp. OPP.	" Topographical
Lindsay Girls' Training School	"
Londesboro OPP.	"
London Teachers' College	"
McKim Twp. Radio Sta. OPP.	Architectural
Milton School for the Deaf	Topographical
Murphy Point Provincial Park	"
New Liskeard Agricultural Bldg.	"
New Toronto Teachers' College	"
North Bay L&F	"
Owen Sound Infirmary	" "
Palmerston Infirmary	"
Port Arthur Teachers' College	Architectural
Port Bolster Girls Training School	" "
Port Carling Docks	"
Rama Twp. O.A.T.C.	"
Rideau River Provincial Park	"
Rydal Bank Dam	"
St. Catharines OPP.	"
St. Catharines Teachers' College	" "
Simcoe OPP.	"
Simcoe easement	"
Smiths Falls Ontario Hospital	Topographical
Sudbury OPP.	"
Tarentorus Twp. OPP. Headquarters	"
Thistletown Sick Childrens Hospital	"
Toronto—Bay and Grenville Sts.	"
Breadalbane and Bay Sts.	Architectural
Breadalbane Street	"
Christie St. Laboratory	"
East Block Parliament Bldgs.	"
Grosvenor and Bay Sts.	"
Richmond St.	"
St. Joseph's College	"
Wellesley Hospital	"
Whitney Block, Buildings	"
Whitby Ontario Hospital	Topographical



The Land Survey Section was incorporated with the Civil Engineering Division midway in the year.

Respectfully submitted,

*W. L. Rice*

W. L. Rice,  
Chief of Civil Engineering.

## REPORT OF THE CHIEF SANITARY ENGINEER

Parliament Buildings,  
Toronto, Ontario,  
March 31st, 1960.

Mr. J. D. Millar,  
Deputy Minister,  
Department of Public Works.

### Re: CHIEF SANITARY ENGINEER'S REPORT, 1959-1960

During the year, all of the existing sanitary installations, which consisted of waterworks systems, sewage treatment plants, pumping stations, etc. at the various Hospitals, Schools and Institutions throughout the Province, were maintained in good operating condition.

At the Ontario Hospital, London, the water distribution system which consisted of separate domestic supply and fire mains, was rehabilitated and the two separate supply systems combined. A new six inch service was brought in from Highbury Avenue and many new sections of mains installed, also a number of new fire hydrants located at strategic points to ensure adequate fire protection. At the Ontario Hospital, 999 Queen Street West, Toronto, another section of the combined trunk sewer was built. The original sewer was laid over 100 years ago when the original building was constructed and was found to be in a very deteriorated and precarious condition. The last remaining section of the trunk sewer is to be built next year. At the Ontario Hospital, Hamilton, rehabilitation and reconstruction of the sanitary and storm drainage systems was completed in the old hospital area. Some sections of old and faulty sewers were also replaced in the maintenance construction programme at the Ontario Hospital, Orillia and the Ontario Hospital, Smiths Falls. Three elevated steel water tanks were repaired and repainted and the wood stave water tank at the Ontario Fire College, Gravenhurst, was replaced.

During the past year many new buildings were constructed at the larger Ontario Hospitals, the Ontario Agricultural and Veterinary Colleges and at several Institutions in addition to new Provincial Police detachments, Department of Highways patrol garages, etc. In each case services were provided to suit the respective requirements. Designs were

made, working drawings completed and specifications prepared for the following works contracts which are to be carried out during the new fiscal year:

#### **ONTARIO HOSPITAL, THISTLETOWN**

Tenders are to be called at an early date for the construction of a gravity sewer, 2,800 lineal feet in length, to carry all the Hospital sanitary sewage to the new Township of Etobicoke sewage lift station at the south-east corner of the property. This will permit us to eliminate the existing old sewage disposal plant, the effluent from which is discharged into the Humber River.

#### **ONTARIO HOSPITAL, LONDON**

Tenders are to be called in the spring for the construction of a new sanitary trunk sewer which will discharge the sewage into the City of London Dundas Street sewer. The existing sanitary trunk sewer is inadequate and not in good condition.

#### **DISTRICT JAIL, KENORA**

The installation of an outfall sewer from recently completed sewage treatment plant which will discharge final plant effluent out into lake; also a gravity sewer to carry the sanitary wastes from the Governor's residence to the treatment plant formerly disposed of by means of a septic tank.

#### **INDUSTRIAL FARM, BURWASH—CAMP 2 AND VILLAGE**

The construction of a new modern sewage treatment plant to receive all sanitary wastes from the main camp and the village. This will replace two existing sewage treatment plants which are very old, obsolete and heavily overloaded. This will involve major changes and additions to the existing system of sanitary sewers, also the installation of a new watermain to the proposed plant.

#### **ONTARIO REFORMATORY, GUELPH**

The construction of a cannery waste disposal to satisfactorily dispose of the new cannery wastes. In conjunction with this, certain necessary revisions and additions to existing sanitary and storm sewers will be included.



REPORT OF THE DEPARTMENT OF PUBLIC WORKS  
Fiscal Year Ending March 31st, 1960

**TEACHERS' COLLEGE, PORT ARTHUR**

The construction of a sanitary sewage pumping station with necessary cast iron force main. This will discharge all the sanitary wastes from the college into the city sewerage system.

**ONTARIO SCHOOL FOR THE BLIND, BRANTFORD**

The construction of a 15" trunk storm sewer, same to discharge into a manhole on Dufferin Street, on the city system. This sewer will provide adequate storm water drainage for the School.

**ONTARIO ATHLETIC LEADERSHIP CAMP, LONGFORD MILLS**

In view of the fact that the building site is being relocated and increased in size, it was necessary to re-vamp the whole water supply system, also to re-design the sanitary sewers to provide for the installation of a new sewage disposal package type plant with an outfall sewer to Lake Simcoe. This work will be carried out and completed this summer.

**SCHOOL OF MINES, HAILEYBURY**

The installation of a storm water drainage system to serve the School, including the addition recently completed. The water is to be discharged into the Latchford Street open ditch.

**DEMONSTRATION FARM, NEW LISKEARD**

The construction of a gravity sanitary sewer to discharge all the sanitary wastes of the new services building into the town sewerage system.

**ONTARIO PROVINCIAL POLICE DETACHMENT AND HOUSES, OAKVILLE**

The detachment and seven houses are now on individual septic tanks which is unsatisfactory because of high ground water. These sanitary services are to be transferred to a recently constructed Township of Trafalgar trunk sanitary sewer.

Construction projects completed during the year are as follows:

## **ONTARIO REFORMATORY, MIMICO**

A complete system of storm sewers has been constructed which provides adequate drainage for the whole institution. This will now permit continuous operation of the brick plant which formerly had to be closed down about a month every spring due to flooding of a large open pit where shale is mined.

## **CAMP BISON, BURWASH**

The new modern type sewage treatment plant which was commenced in May 1959, has been completed. Formerly this Camp was served by large septic tanks and a disposal field, which was unsatisfactory.

## **DISTRICT JAIL, KENORA**

The construction of the new sewage treatment plant which has a capacity of 15,000 imperial gallons per day has been completed and placed in operation. This plant will serve the original jail, the three additions nearing completion and the Governor's residence.

## **GIRLS' TRAINING SCHOOL, PORT BOLSTER**

The construction of a complete waterworks system to serve this school has been completed. The water source is Lake Simcoe: a cast iron intake out into the lake supplies the water to the wet well below the low lift pump house on the shore. The system also includes an underground concrete reservoir, a booster pumping station and a system of distribution mains on which are located a number of fire hydrants to provide adequate fire protection.

## **GIRLS' TRAINING SCHOOL, LINDSAY**

The installation of a ten inch water supply main, from the west limits of the town along the north side of Highway 7B as far as the school site, has been completed to provide adequate supply for both domestic and fire service.

## **ONTARIO REFORMATORY, MILLBROOK**

A new modern, mechanical aeration, complete treatment sewage disposal plant designed to handle 45,000 imperial gallons per day has been completed and placed in operation.

### **BOYS' TRAINING SCHOOL, BOWMANVILLE**

The very old and obsolete sewage disposal plant has been replaced by a new activated sludge type of package sewage treatment plant which provides complete treatment to all the school sanitary wastes.

### **INDUSTRIAL FARM, BURTCH**

A cannery wastes disposal system has been installed and placed in operation to dispose of all the wastes from the cannery. The solids are separated and removed and the liquid effluent is sprayed on the land, providing irrigation.

### **ONTARIO HOSPITAL, CEDAR SPRINGS**

The largest services contract commenced during the year was the water supply and treatment plant combined with the sewage disposal plant with outfall sewer. This contract was commenced in August 1959. The waterworks portion of the contract includes an intake out into Lake Erie, a low lift pump house on the shore with a wet well below, a discharge main up to the water treatment plant about 80 feet above the lake level; a booster pumping station adjacent delivers the water to the system of mains previously completed. The complete treatment sewage disposal plant is constructed on the high bank above the lake and the final effluent is discharged out into the lake in an outfall sewer. Both of the above mentioned works are designed to serve a maximum of 5,000 people and are in an advanced stage of construction. Completion date is expected to be July 1960.

### **ONTARIO AGRICULTURAL COLLEGE AND ONTARIO VETERINARY COLLEGE, GUELPH**

The main storm sewerage system which serves the main portion of the Agricultural College and all of the Veterinary College, commenced last year, has been completed. This system was constructed under agreement with the Township of Guelph to receive their drainage in the College Hill area and the whole is discharged into the Speed River. During the year an eight inch cast iron watermain loop around both



colleges was designed and the installation of half of it has been completed. This became necessary to provide adequate water for domestic use and fire protection due to the addition of several new large buildings at the colleges.

#### **WESTERN ONTARIO AGRICULTURAL SCHOOL, RIDGETOWN**

The construction of a new aerobic digestion sewage treatment plant, providing complete treatment together with a new system of sewers, has been completed. The plant is now in operation and doing a good job. Formerly each building was served by an individual septic tank and disposal field, but with the recent growth at the school and the addition of new buildings this means of sewage disposal became unsatisfactory. During the year the water distribution system was also added to and improved.

#### **AGRICULTURAL SCHOOL, KEMPTVILLE**

A new gravity trunk storm sewer serving the northern portion of the school has been constructed. Also in this area new sections of sanitary sewers have been completed to serve new residences, new buildings and additions.

#### **ONTARIO SCHOOL FOR THE BLIND, BRANTFORD**

In accordance with a recommendation from the Ontario Fire Marshal's office, a second six inch water service from the city system was installed to the school system of mains.

#### **TEACHERS' COLLEGE, HAMILTON**

Sanitary and storm sewers were provided to serve the new building extension.

#### **RYERSON INSTITUTE OF TECHNOLOGY, TORONTO**

Construction of a combined trunk sewer inside the Institute grounds was completed. This sewer was carried to a splitter manhole adjacent to Church Street and from this manhole a sanitary sewer and a storm sewer were constructed to discharge into the respective city sewers on Church Street.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS  
Fiscal Year Ending March 31st, 1960

**ONTARIO FIRE COLLEGE, GRAVENHURST**

A complete water supply and distribution system was installed.

**ONTARIO PROVINCIAL POLICE DETACHMENT, WHITBY**

A six inch cast iron watermain and fire hydrant was installed from the nearest eight inch town main, a distance of 750 feet to the detachment, to provide both domestic supply and fire protection. A six inch sanitary sewer 900 feet in length with manholes was constructed to discharge into the town sewerage system.

**ONTARIO GOVERNMENT BUILDING, LINDSAY**

A prefabricated steel package type sewage disposal plant was supplied and installed. This is the first such installation made by the Department. The unit serves the adjacent Ontario Provincial Police detachment.

**McFARLANE LAKE BUILDING SITE, SUDBURY**

The sewage treatment plant and mile long cast iron force main commenced last year has been completed and placed in operation.

During the year at various locations throughout the Province, 32 deep wells were drilled, developed and brought into production. Twenty-eight of these wells were of small and medium capacity, i.e. with production of from five to 30 imperial gallons per minute. In each of these cases suitable automatic domestic pressure systems were supplied and installed except in several cases where the building to be supplied was not constructed. The other four wells each produce upward of 150 imperial gallons per minute.

A complete site survey was carried out from which a site plan was drawn up showing all buildings, roads, sidewalks, fences, etc. and all the underground services at the following locations:

Ontario Hospital, Kingston.

Ontario School For The Blind, Brantford.

Industrial Farm, Monteith.

The site survey of the Ontario Hospital at Penetang which was started the previous year, was completed.

Re-surveys were made at the Ontario Hospital, Brockville, Ontario Hospital, Hamilton and at the Ontario School for the Deaf, Belleville. The respective site plan in each case was revised and brought up to date.

Respectfully submitted,

*H E Bushlen.*

H. E. Bushlen, P. Eng.,  
Chief Sanitary Engineer.



















BINDING SECT. JUL 30 1980

GOVT PUBNS

